

INDIA WEATHER REVIEW, 1934.

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ANNUAL SUMMARY.

PART C.

STORMS AND DEPRESSIONS.

DEPRESSIONS AND CYCLONIC STORMS.

During the year 4 storms and 12 depressions formed in the Bay of Bengal and 1 storm and 1 depression in the Arabian Sea. The dates on which the storms occurred and the greatest barometric depths observed are summarised in the Table below :—

TABLE.

| Locality. | Month. | Date. | Greatest observed barometric depth. |
|---------------------|-----------|-------|-------------------------------------|
| Bay of Bengal . . . | April . . | 18-20 | .. |
| Bay of Bengal . . . | September | 17-23 | 0·40" |
| Arabian Sea . . . | November | 1-3 | 0·50" |
| Bay of Bengal . . . | November | 5-9 | 0·40" |
| Bay of Bengal . . . | November | 25-27 | 0·50" |

The detailed descriptions of these storms and depressions are as usual, followed by a list of western disturbances of the year, of the more important local storms and of the localities in which winds of force 9 or more were experienced by ships in the Indian Seas.

1. Depression of 23rd-26th January 1934.—After the 18th of January 1934, the northeast monsoon strengthened in the Bay of Bengal to the south of Lat. 10° N.; and on the morning of the 20th a feeble but concentrated fall of pressure was noticed in south Bay to the east of Ceylon. The pressure departure however appeared to be of the order of -01" over the region extending from the Andamans to Ceylon. Pressure continued to fall and by the morning of the 21st the negative pressure departures concentrated over the region bounded by latitudes 5° and 15° N., longitudes 80° and 95° E. During the course of next 24 hours the northeast monsoon strengthened further in the Bay to the south of Lat. 12° N. On the morning of the 22nd most of the stations in Ceylon and most ships in the Bay to the east of Ceylon reported rain, showers and squalls. By the afternoon of the same day a feeble cyclonic circulation appeared over southwest Bay indicating thereby that conditions were becoming favourable for the formation of a depression in the extreme southwest Bay.

Pressure fell further over south Bay and by the morning of the 23rd, a depression formed in the Bay with its centre near Lat. 7½°, Long. 85½°. The following observations from ships indicated that a cyclonic circulation had established itself over the disturbed area.

| Date. | Steamer. | Hour. | POSITION. | | WIND. | | REMARKS. |
|---------------------|------------------|-------|-----------|-----------|-------|--------|-----------------------|
| | | | Lat. °N. | Long. °E. | Dir. | Force. | |
| 23rd January 1934 . | Rajula . . . | 06-30 | 8·5 | 88·3 | ESE | 4 | Mod. Rain. |
| 23rd January 1934 . | Rajula . . . | 07-30 | 8·0 | 88·9 | ESE | 4 | 4 NE Mod. Squally. |
| 23rd January 1934 . | Akbar . . . | 08-00 | 9·9 | 86·9 | ESE | 4 | 4 E Overcast, Gloomy. |
| 23rd January 1934 . | Jalajyoti . . . | 06-30 | 10·1 | 85·8 | E | 5 | Mod., 7 E. |
| 23rd January 1934 . | Jaladuta . . . | 06-30 | 8·2 | 84·1 | NNW | 3 | Slight, 3 NE. |
| 23rd January 1934 . | Jaladuta . . . | 08-00 | 8·1 | 83·9 | N | 3 | Overcast. |
| 23rd January 1934 . | Yorkmoor . . . | 08-00 | 8·6 | 84·7 | ENE | 4 | Squally. |
| 23rd January 1934 . | Naldera . . . | 08-00 | 5·8 | 84·1 | W | 3 | Cont. Rain. |
| 23rd January 1934 . | Sockahooma . . . | 05-30 | 6·2 | 83·5 | NW | 3 | |

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Under its influence widespread light showers had occurred in Ceylon during the past 24 hours, and rainfall extended to a few stations in southeast Madras. During the course of the day the depression intensified further moving slowly in a westerly direction, and was centred in the evening within half a degree of Lat. $71\frac{1}{2}^{\circ}$, Long. $84\frac{1}{2}^{\circ}$.

Continuing still to move in a westerly direction, the depression was centred within half a degree of Lat. 71° and Long. $82\frac{1}{2}^{\circ}$ on the morning of the 24th. As the depression moved nearer the Coromandel coast the weather along the coast became worse. The following weather remarks from Port Officers of the ports along the Coromandel coast are interesting :—

| Station. | REMARKS. |
|------------------|--|
| Madras . . . | " On the 24th it was windy throughout the day and night. Rain with squalls from ENE direction at 9-15 P.M., velocity of wind 30 m.p.h. at 9-25 P.M., direction ENE." |
| Cuddalore . . . | " Squally weather during the 24th." |
| Porto Novo . . . | " Weather was cloudy and rainy with rough sea and cyclonic wind from the 24th—26th." |
| Negapatam . . . | " Weather rainy, sea very rough on the 24th and 25th." |
| Pamban . . . | 23rd—" Strong winds and rough sea prevailed with drizzling rain." 24th—" Cloudy with drizzling rain, slight sea, occasional thunder." |
| Tuticorin . . . | 23rd—" Cloudy, rainy, sea rough and very rough with heavy swell." 24th—" Cloudy, sea rough and very rough with heavy swell." |

During the course of the 24th, the depression weakened and a low pressure wave moved westwards. On the next morning the low pressure area was located to the south of Ceylon. The disturbance moved northwestwards into the southeast Arabian Sea thereafter and became unimportant off Malabar during the course of the 26th. Associated with this low pressure area, there was widespread and locally heavy rainfall in Ceylon and south Madras between the 24th

and 26th. Some of the noteworthy heavy falls of 5" and above are given in the table below :—

| Name of the station. | JANUARY. | | |
|----------------------|----------|-------|-------|
| | 25th. | 26th. | 27th. |
| Tiruppundi . . . | " | " | " |
| Muttupet . . . | 6 | " | " |
| Mannargudi . . . | 5 | " | " |
| Pattukottai . . . | 6 | " | " |
| Karambakkudi . . . | 7 | " | " |
| Kodaikanal . . . | 6 | " | " |
| Chinnar . . . | .. | 5 | " |
| Marayur . . . | .. | 9 | " |
| Kumizhi . . . | .. | 6 | " |
| Coonoor . . . | .. | 6 | " |

2. *Storm of 18th—20th April.*—Associated with a temporary advance of the monsoon in the south of the Bay of Bengal, a trough of low pressure appeared over southeast Bay and neighbourhood on the morning of the 18th. The pressure was falling rapidly in the neighbourhood of the Andamans and conditions were becoming unsettled in Central and South Bay to the west of the Andamans. During the course of the day pressure continued to fall over the Bay to the south of Lat. 18°N . and the unsettled conditions became more marked. The afternoon upper air charts shew that a cyclonic circulation was establishing itself over the Bay upto a height of about 4 kms.

By the early morning of the 19th the unsettled conditions intensified into a depression with central region within a degree of Lat. 12°N . and Long. 90°E . Moving in a north-easterly direction the depression continued to intensify and by 8 hrs. it had become deep with its centre within half a degree of Lat. $14\frac{1}{2}^{\circ}\text{N}$. and Long. 91°E . Under the influence of this depression, widespread rain had occurred in Lower Burma with a heavy fall of 5" at Diamond Island. The observations from the following ships which were quite close to the centre of the disturbance are interesting in view of the fact that high winds were not experienced near the centre of the deep depression :

| Date. | Steamer. | Hour. | POSITION. | | WIND. | | REMARKS. |
|-------------------|------------------|-------|-----------|-----------|-------|--------|-----------------------|
| | | | Lat. °N. | Long. °E. | Dir. | Force. | |
| 19th April 1934 . | Jalapalaka . . . | 06-30 | 13.5 | 90.9 | WSW | 4 | Ugly threatening sky. |
| 19th April 1934 . | Begum . . . | 06-30 | 13.2 | 91.8 | SWS | 5 | Rain (squally). |
| 19th April 1934 . | Gurna . . . | 08-00 | 14.4 | 90.3 | NNE | 2 | Gloomy, Showers. |

In the course of the 19th pressure fell still further and the deep depression intensified into a storm, which continuing to move in a northeasterly direction was centred at

17 hrs. within half a degree of Lat. 15°N. and Long. 94°E. S. S. "Talamba" which was about 200 miles to the east of the storm centre reported the following observations :—

| Name of ship. | Hour. | POSITION. | | WIND. | | REMARKS. |
|-------------------|-------|-----------|-----------|-------|--------|----------------------------------|
| | | Lat. °N. | Long. °E. | Dir. | Force. | |
| Talamba | 16-30 | 15.3 | 95.0 | S | 8 | Continuous heavy rain (Squally). |

After 17 hrs. of the 19th the storm showed signs of weakening and during the night it weakened rapidly and passed away northeastwards as a low pressure wave through the Gulf of Martaban and Pegu.

It caused widespread and locally heavy rain in Tenasserim and the Pegu and Irrawaddy Divisions on the 18th and 19th, rainfall continuing in Tenasserim on the next three days. During the 24 hours, between 8 hrs. of the 19th and 8 hrs. of the 20th as much as 14 inches of rain fell at Rangoon. Some of the heavy falls of 5" or above are given in the following table :—

| Name of the station. | APRIL. | | |
|----------------------------|--------|-------|-------|
| | 19th. | 20th. | 21st. |
| 1. Moulmein | " | " | " |
| 2. Kawkareik | .. | 5 | .. |
| 3. Thaton | .. | 8 | .. |
| 4. Pegu | .. | 6 | .. |
| 5. Kawa | 6 | .. | .. |
| 6. Rangoon Town | .. | 14 | .. |
| 7. Victoria Lake | .. | 11 | .. |
| 8. Hmawbi | .. | 6 | .. |
| 9. Insein | .. | 7 | .. |
| 10. Hlegu | .. | 7 | .. |
| 11. Hlawga Lake | .. | 7 | .. |

| Name of the station | APRIL. | | |
|--------------------------|--------|-------|-------|
| | 19th. | 20th. | 21st. |
| 12. Mingaladon | 7 | .. | .. |
| 13. Kyauktan | .. | 17 | .. |
| 14. Thongwa | .. | 11 | .. |
| 15. Kayan | .. | 12 | .. |
| 16. Maubin | .. | 6 | .. |
| 17. Pyapon | .. | 7 | .. |
| 18. Kyaiklat | .. | 10 | .. |

3. Shallow Depression of 11th-14th June in the east Arabian Sea.—An advance of the monsoon occurred in the southeast Arabian Sea in the beginning of June, and the monsoon current appeared in Malabar on the 8th, extending northwards along the west coast of the Peninsula on the succeeding days.

After the 8th conditions became favourable for a depression to form in front of the advancing southwest monsoon current. Upper winds at Mangalore and Bombay which were west to northwesterly before the 8th changed after that date into southerly at Mangalore and north to northeasterly at Bombay. Pressures fell in general over the whole country between the 8th and 10th June, the greatest pressure deficiency being off the Konkan on the morning of the latter day.

The following observations indicate that conditions were markedly unsettled on that morning off the Kanara-Konkan coast :—

| Steamer or Station. | Hour I. S. T. | POSITION. | | Wind. | Sea. | WEATHER REMARKS. |
|---------------------|------------------|-----------|----------|------------------|--------|--|
| | | Lat. N. | Long. E. | | | |
| S. S. "Maun" | 8 | 15 46 | 73 24 | SW ₈ | Rough | Generally cloudy. |
| S. S. "Shunko Maru" | 8 | 14 43 | 73 26 | SSE ₃ | Sl. | Overcast, Squally. |
| S. S. "Bangalore" | 8 | 14 51 | 73 46 | Var. 2 | Smooth | Overcast. |
| S. S. "Maimyo" | 7-30 | 7 40 | 73 20 | W ₂ | Mod. | Rain in past hour. |
| Minicoy | 8 | .. | .. | SW ₅ | Rough | Clouded with Cumulonimbus 7. |
| S. S. "Captorane" | 8-30 | 7 30 | 72 10 | SW ₄ | .. | Rain in past hour. Overcast with cumulonimbus. |
| S. S. "Britannia" | 7-30 | 18 0 | 68 0 | NW ₃ | Smooth | Traces of SK. |
| Amini Devi | 8 | .. | .. | NW ₂ | Rough | Clouded with Alto Stratus 10. |

On the 10th afternoon, the upper winds at Mangalore had strengthened to force 5 to 6 and were south to southwest in direction. Those at Hyderabad, Malegaon and Bombay also answered a cyclonic circulation round about Lat. 15°N., Long. 72°E.

By the 11th morning pressures had fallen further in Kanara and a shallow depression had formed off Kanara-Konkan. During the day, the depression was slowly moving in a northerly direction. Pressures were rising south of Marmagao and falling north of it. In the evening, Marmagao recorded a southeasterly wind of force 5 and S. S. Chamberhill at 13°N. and 74½°E. a southwesterly wind of force 4—6 with rough sea. Rough to very rough seas were reported from all along the coast as far north as Honavar. By the next morning, the depression had moved further northwards and lay off the Konkan coast, the pressure deficiency being greatest at Bombay and pressure falls extending to Gujarat.

The depression remained shallow and continued to move northwards until the morning of the 14th by when the cyclonic circulation had broken up and a trough of low pressure lay off the Kathiawar Coast.

This depression assisted an inflow of moist air into the Deccan where numerous thunderstorms occurred after the 8th, leading to the extension of the monsoon there a couple of days later. It also caused an extension of the monsoon into the Konkan and Gujarat by the 10th and 11th respectively, and was associated with a vigorous monsoon to its south, rainfall being heavy in Kanara and Malabar, notable falls of rain being 5" at Cochin on the 10th and 11th, and 6" at Mangalore, Karwar and Ratnagiri on the 11th, 12th and 13th respectively.

4. Unsettled conditions over Cutch and northeast Arabian Sea between the 26th and 29th June. On the 25th June, the monsoon extended into Sind and was particularly strong in Gujarat. During that day, a fall of pressure occurred over northeast Baluchistan, Sind and Gujarat, the maximum fall being over lower Sind, Cutch and Kathiawar. Thus, on the 26th morning, the seasonal low over northwest India was well marked and negative pressure departures of the order of 0·15" were concentrated over Cutch and Kathiawar. Upper winds over Karachi had changed from weak southerlies on the previous day to strong northerlies (force 6—8) and those at Ahmedabad, while remaining southwest in direction, had strengthened to force 8 at 1 km.

On the next morning a low pressure area lay over Cutch and the adjoining parts of the northeast Arabian Sea. Pressure had fallen further since the previous day along Sind and Mekran coasts, negative pressure departures over Cutch and Kathiawar coasts being of the order of 0·19". Veraval recorded a southwesterly surface wind of force 7 with high sea in the morning while upper winds at Karachi were blowing from the northeast with gale force (8—10) between 1 and 3 km. throughout the day.

By the next morning the low pressure area had moved westwards and lay over the north Arabian Sea. Pressures had risen generally over northwest India but particularly over Cutch and Kathiawar, and the area of maximum pressure deficiency had moved westwards since the previous

day. The upper winds at Karachi had now veered to southeast. The surface wind at Veraval had weakened but rough seas and rain squalls were recorded by coastal stations and ships off the Kathiawar coast.

Moving northwestwards during the 28th, the low pressure area merged into and accentuated the seasonal low over Baluchistan by the 29th morning. Pressures had fallen in Baluchistan but risen over Sind, Cutch and Kathiawar.

The movement of these unsettled conditions induced strong monsoon in northeast Baluchistan, Sind, Gujarat, the central parts of the country, the west United Provinces and the Punjab hills.

5. Shallow depression 26th—29th June 1934. The southwest monsoon current began to strengthen over the Bay after the 23rd June. On the morning of the 24th a flat pressure distribution appeared off the Circars-Orissa coast and persisted there till the morning of the 25th, when observations from some of the ships and coastal stations indicated that a feeble cyclonic circulation was gradually establishing itself over the region bounded by latitudes 15°N. and 20°N. and longitudes 85°E. and 90°E.

The afternoon upper air charts on the 25th shew that cyclonic circulation existed over central Bay off the Circars coast at least up to a height of 1·5 kms.

By the early morning of the 26th pressure began to fall rapidly over Bay, off the Orissa-Circars coast, where weather appeared unsettled. Gopalpur reported negative barometric tendency of 0·04", Puri 0·09" and S. S. Aungban (Lat. 19·8°N., Long. 89·5°E.) 0·04". During the course of the day these unsettled conditions gradually intensified and by the afternoon a shallow depression formed in north Bay with centre near Lat. 18°N., Long. 88°E. The monsoon was strong to the south and east of the centre at this stage. The afternoon upper air charts indicated that the cyclonic circulation had extended upto a height of about 4 kms.

The depression began to move in a northwesterly direction and on the morning of the 27th it lay with central region midway between the Sandheads and Chandbali. It then began to weaken and crossed the Orissa coast as a diffuse low by the afternoon of the 27th. It continued to move northwestwards and filled up over Chota Nagpur on the 29th.

The depression was responsible for strengthening monsoon in Bihar and Orissa. Some of the locally heavy falls of 5" and above are noted below :—

| Station. | JUNE. | |
|----------------------|-------|-------|
| | 27th. | 28th. |
| Port Blair | " | " |
| Port Blair | 5 | .. |
| Tavoy | .. | 6 |
| Amherst | .. | 5 |
| Jalpaiguri | .. | 5 |

6. Depression of 30th June-4th July 1934.—With the passing inland of the previous depression on the 27th June, the monsoon became generally active over the country. Pressure continued to fall over Burma, northeast India, the United Provinces and the north and central Bay. On the morning of the 30th a concentrated area of negative

pressure change and departure appeared at the head of the Bay, while in the upper air a cyclonic circulation existed upto a height of at least 3 kms. The following observations from ships and some of the coastal stations indicated the existence of an anticlockwise circulation at the head of the Bay even at the surface.

| Date. | Steamer or station. | Hour. | POSITION. | | WIND. | | REMARKS. |
|-----------|---------------------|-------|-----------|-----------|-------|--------|-------------------|
| | | | Lat. °N. | Long. °E. | Dir. | Force. | |
| 30th June | Barisal | 8 | .. | .. | SE | 1 | |
| | Kholna | 8 | .. | .. | E | 2 | |
| | Satkhira | 8 | .. | .. | NE | 2 | |
| | Sandheads | 8 | .. | .. | NW | 3 | |
| | Saugor Island | 8 | .. | .. | NW | 2 | |
| | Calcutta | 8 | .. | .. | NE | 1 | |
| | " Jaladuta " | 05.30 | 20°1 | 87°5 | SW | 4 | Cont. heavy rain. |
| | " Karagola " | 06.30 | 19°9 | 89°5 | SW | 4 | |
| | " Gazana " | 06.30 | 20°6 | 90°3 | SW | 2 | Rain, shower. |
| | " Nurmahal " | 06.30 | 19°6 | 90°2 | SW | 6 | Rain. |

These facts suggested that a shallow depression had formed in north Bay about 75 miles east of the Sandheads. During the course of the day it moved slowly westwards and intensified. S. S. *Gazana* (Lat. 20°6'N., Long. 89°5'E.) and S. S. *Ekma* (Lat. 19°9'N., Long. 89°6'E.) which were close to the centre of the disturbance reported barometric tendency of the order of 0.09" each.

The depression continued to move in a westerly direction and was centred near the Sandheads on the morning of the 1st. At this stage monsoon was strong to the south of Lat. 20°N. and vigorous in the east central Bay and the north Andaman Sea. The depression then took a more northerly course and on the afternoon of the 1st it was centred midway between the Sandheads and Balasore. The monsoon remained vigorous in the east central Bay and the north Andaman Sea. The chief characteristic of this disturbance was the prevalence of winds of strong to hurricane force in the upper air upto a height of 2 kms. at stations round the Bay from the 30th June to 3rd July. Port Blair recorded winds of force 10, 12 and 12 at 0.5, 1.0 and 1.5 kms. respectively on the afternoon of the 1st.

Continuing to move very slowly in a northwesterly direction the depression crossed the Orissa coast near Balasore on the afternoon of the 2nd. Next morning it lay over the east Central Provinces and eventually filled up over the central parts of the country on the 4th.

The depression was responsible for causing widespread and locally heavy rain from Gujarat to Orissa and the north Madras coast and in the Deccan. It was also responsible for the strengthening of monsoon in Lower Burma, the United Provinces and the Central Provinces.

Some of the noteworthy falls of 5" and above are given in the Table below :—

| Station. | JUNE. | | JULY. | | |
|------------------|-------|-------|-------|------|------|
| | 29th. | 30th. | 1st. | 2nd. | 4th. |
| Kendrapara | .. | .. | 8 | .. | .. |
| Binjhpur | .. | 10 | .. | .. | .. |
| Rajkanika | .. | 9 | .. | .. | .. |
| Barchana | .. | 7 | .. | .. | .. |
| Jagatsingpur | .. | .. | 6 | .. | .. |
| Jaipur | .. | .. | 9 | .. | .. |
| Dharamsala | .. | .. | 6 | .. | .. |
| Aul | .. | .. | 10 | .. | .. |
| Patamundai | .. | .. | 9 | .. | .. |
| Sonua | .. | 6 | .. | .. | .. |
| Paliganj | .. | .. | 7 | .. | .. |
| Aurangabad | .. | .. | 5 | .. | .. |
| Siwan | .. | .. | 5 | .. | .. |
| Bagaha | .. | .. | 6 | .. | .. |
| Akhayapada | .. | .. | 7 | .. | .. |
| Chandbali(Obsy.) | .. | 7 | .. | .. | .. |

| Station. | JUNE. | | JULY. | | |
|----------------------|-------|-------|-------|------|------|
| | 29th. | 30th. | 1st. | 2nd. | 4th. |
| | " | " | " | " | " |
| Bissipara (Phulbari) | . | . | . | 6 | .. |
| Balandapara | . | . | . | 6 | .. |
| Phiringia | . | . | . | 5 | .. |
| Pipli | . | . | 5 | .. | .. |
| Kurdeg | . | . | . | 10 | .. |
| Kolosib | . | . | 5 | .. | .. |
| Kalchini | . | . | 5 | .. | .. |
| Netrokona | . | . | .. | .. | 6 |
| Tavoy | . | . | 9 | .. | .. |

| Station. | JUNE. | | JULY. | | |
|----------|-------|-------|-------|------|------|
| | 29th. | 30th. | 1st. | 2nd. | 4th. |
| | " | " | " | " | " |
| Kyaukpye | . | . | . | 5 | .. |
| Sandoway | . | . | . | .. | 7 |
| Gwa | . | . | . | 6 | .. |
| Kanker | . | . | . | .. | 5 |

7. Shallow Depression of 7th—11th July, 1934.—On the morning of the 4th July a concentrated area of negative pressure departure was noticed in the north Bay off the Bengal-Orissa coast while the monsoon was fairly strong to the south of Latitude 20°N. Next morning a feeble cyclonic circulation appeared in the north Bay off the Circars-Orissa coast as seen from the observations of the following ships and coastal stations :

| Date. | Steamer or station. | Hour. | POSITION. | | WIND. | | REMARKS. |
|----------|---------------------|-------|-----------|-----------|-------|--------|------------------------|
| | | | Lat. °N. | Long. °E. | Dir. | Force. | |
| 5th July | Chandbali | 8 | .. | .. | N | 1 | |
| 5th July | Puri | 8 | .. | .. | NNE | 1 | Smooth sea. |
| 5th July | Sandheads | 8 | .. | .. | SE | 2 | Slight sea. |
| 5th July | S. S. " Hatipara " | 06.30 | 16.8 | 86.5 | WSW | 5 | Heavy rain, rough sea. |
| 5th July | S. S. " Sirsa " | 06.30 | 18.6 | 88.6 | WNW | 3 | Slight sea. |
| 5th July | S. S. " Binfield " | 06.30 | 19.8 | 89.2 | NW | 2 | Squally, slight sea. |

The morning upper wind of Calcutta, Sambalpur and Vizagapatam on the 5th indicated that cyclonic circulation had extended over the north and central Bay off the Circars-Orissa coast up to a height of at least 3 kms. These facts suggested that weather was becoming unsettled in the north and central Bay. The monsoon trough extended into the north Bay and during the course of the next 48 hours the unsettled conditions off the Orissa-Circars coast became more marked and by the morning of the 7th intensified into a shallow depression in the northwest angle of the Bay about 80 miles southeast of Balasore.

The depression moving slowly in a northnorthwesterly direction crossed the Orissa coast near Balasore by the early morning of the 8th and at 8 hrs. it was located over southwest Bengal and Chota Nagpur. It continued to move during the next forty-eight hours and filled up over Bihar and north Bengal on the 10th. During this period the monsoon remained strong practically over the whole of the Bay.

Some of the noteworthy heavy falls of 5" and above are given in the Table below :—

| Station. | 5th. | 8th. | 9th. | 10th. |
|-------------|------|------|------|-------|
| | " | " | " | " |
| Gwa | 6 | .. | .. | .. |
| Cherrapunji | .. | .. | .. | 10 |
| Chittagong | .. | .. | 6 | .. |
| Sabour | .. | .. | 6 | .. |
| Myitkyina | 5 | .. | .. | .. |
| Cox's Bazar | .. | 6 | .. | .. |

8. Low Pressure Wave of 17th-21st July, 1934.—On the morning of the 17th a concentrated area of negative pressure departure appeared over Burma, suggesting thereby that a low pressure wave from the east was travelling westwards across Burma. Under the influence of this low pressure the monsoon strengthened to the south of latitude 17° N.

Continuing to move westwards, the low pressure wave passed out into the north Bay, and on the morning of the 19th it lay as a diffuse low to the east of the Sandheads causing markedly unsettled weather at the head of the Bay. Without any signs of intensification the diffuse low continued to move westwards across the north Bay of Bengal and passed inland to Orissa and Chota Nagpur on the morning of the 21st thereby accentuating the seasonal trough of low pressure which extended from the northwest frontier to Chota Nagpur and Orissa.

It was responsible for the strengthening of the monsoon to a certain extent over the country excepting northwest India. Some of the noteworthy falls of 5" and above are given in the Table below :—

| Station. | 17th. | 18th. | 19th. |
|------------------------|-------|-------|-------|
| Kyaikpyu | " | " | " |
| Kyaikpyu | 6 | .. | .. |
| Diamond Island | .. | 5 | .. |
| Silchar | .. | .. | 6 |

9. Shallow depression of 31st July to 6th August, 1934.—Pressure fell in the Central Bay of Bengal between the 27th and 29th July and on the morning of the 30th a trough of low pressure lay over the region extending from the east Central Provinces to off the Circars coast. The monsoon was also strong in the Bay to the south of latitude 15° N. on the 30th morning. Upper winds at Calcutta, Sambalpur and Vizagapatam which were from southwest to northwest between 2 and 4 kms. on the 29th morning changed in the course of the next 24 hours and on the 30th morning were from east to northeast, thus showing that conditions were becoming favourable for the formation of a depression in the Bay off the Circars coast. Pressure fell further on the 30th over the region of the unsettled conditions in the Bay and a shallow depression had formed off the Circars coast by the 31st morning with central region about 150 miles to the southeast of Calingapatam.

During the course of the next 24 hours the depression remained practically stationary without any marked intensification. Thereafter it moved towards the coast between Calingapatam and Gopalpur, passed inland and lay over the east Central Provinces on the 2nd morning. The depression moved very slowly after the 2nd, first northwards and then northwestwards, and filled up over the United Provinces on the 6th.

Under the influence of this depression the monsoon was active over the country except in the south of the Peninsula, Bihar, Chota Nagpur and the northwest of India upto the 7th.

10. Depression of 9th to 12th August, 1934.—A low pressure wave from the east passed into the Bay across Burma between the 5th and the 8th. In association with this the monsoon strengthened in the east central Bay and wide-spread moderate to heavy rain occurred in Pegu and Arakan on the 7th and 8th. Upper winds over Akyab, Chittagong and Dacca which were mainly from south to southwest (force 2 to 4) upto 2 kms. (limit of p. b. ascent) on the 8th morning backed to southeast to east in the course of the next 24 hours and strengthened at the same time (force 4 to 6), while those at Calcutta veered to north to eastnortheast from southwest to west. These changes indicated that conditions were markedly unsettled in the north Bay and a depression formed by 17 hours on the 9th with central region about 30 miles to the south of the Sandheads. The depression moved northwestwards, crossed coast near Balasore at about 9 hours on the 10th and lay over the Central Provinces on the next morning with centre slightly to the south of Umaria. Moving further westnorthwestwards, the depression lay near Saugor on the 12th morning where it filled up in the course of that day.

This depression was responsible for fairly well-distributed rainfall over the country excepting the northwest of India between the 8th and 13th, rainfall being locally heavy in Orissa on the 9th and 10th and in the east Central Provinces on the former date.

11. Depression of 14th to 19th August, 1934.—In association with the westward movement of a low pressure wave through Burma after the 11th, the monsoon strengthened in the south and the central Bay—Port Blair and Diamond Island had each recorded 7" of rain on the 12th—and conditions became markedly unsettled off the Orissa-Ganjam coast on the 14th morning. The unsettled conditions intensified by that afternoon into a shallow depression which was centred at 17 hours near Lat. 18° N., Long. 88° E. The depression moved slowly northwestwards till the evening of the 15th when its central region lay in the neighbourhood of Lat. 19° N., Long. 87° E. Thereafter it remained practically stationary for about next 15 hours but intensified somewhat at the same time, the pressure deficiency near its centre on the 16th morning being at least 0.25". The depression then moved northnorthwestwards, crossed coast between Chandbali and Puri at about midnight of the 16th and lay over Orissa on the next morning. It moved to the Kumaon hills through Chota Nagpur, east Central India and the United Provinces in the course of the next 3 days and broke up there on the 20th.

Under the influence of this depression the monsoon was active generally over the country excepting the northwest of India.

12. Depression of 21st to 26th August, 1934.—The monsoon was strong in the central Bay on the 19th morning and in the next 24 hours pressure fell appreciably in the Bay off the Arakan coast and very heavy rain occurred locally in Pegu and south Arakan; Diamond Island had 14" and Gwa 8". Pressure fell further in the north Bay during the 20th and upper winds over Calcutta which were from southwest to northwest (force 2 to 3) upto 3 kms. on the 19th afternoon changed to northeast to east (force 2 to 4) at least from 0.5 km. to 1.5 km. (limit of p. b. ascent) in the course of the next 24 hours. These changes indicated that conditions

were markedly unsettled at the head of the Bay. The unsettled conditions developed into a depression by the next morning with centre slightly to the north of the Sandheads ; the pressure deficiency near the centre of the depression at 8 hours of the 21st must have been at least 0.30".

The depression moved slowly northwestwards and crossed coast between Balasore and Saugor Island at about midnight of the 21st. Continuing to move in a northwesterly direction, the depression filled up over north Rajputana on the 26th.

As a result of this depression the monsoon was generally active in Burma, northeast India, the United Provinces and its neighbourhood between the 20th and 26th, rainfall being locally heavy along and near its track. According to newspaper reports heavy rain in the Gangetic valley caused severe floods in the Ganges, the Jumna and the Gandak rivers as a result of which the river banks collapsed at many places and considerable damage was done to life and property in the United Provinces and Bihar. Some of the falls of 6" and over recorded at 8 hours on different days during the period of the activity of this depression are given below :—

| Station. | 21st. | 22nd. | 23rd. | 24th. | 26th. |
|-------------------------------------|-------|-------|-------|-------|-------|
| <i>Central Provinces and Berar.</i> | | | | | |
| Hardwar Marar . . . | .. | 7 | .. | 6 | .. |
| Mahgaban Hansraj . . . | .. | .. | .. | 7 | .. |
| Mala . . . | .. | .. | .. | 6 | .. |
| Murwara . . . | .. | .. | .. | 7 | .. |
| Borina . . . | .. | .. | .. | 7 | .. |
| Bahori Bund . . . | .. | .. | .. | 7 | .. |
| <i>Bihar and Orissa.</i> | | | | | |
| Masrakh . . . | .. | .. | .. | 6 | .. |
| Deoghar . . . | 6 | .. | .. | .. | .. |
| Balasore . . . | .. | .. | .. | .. | 10 |
| (Bissipara) Phulbani . . . | 6 | 8 | .. | .. | .. |
| Balandapara . . . | .. | 8 | .. | .. | .. |
| Khurda . . . | 6 | .. | .. | .. | .. |
| Kanas . . . | 6 | .. | .. | .. | .. |
| Sambalpur . . . | .. | 10 | .. | .. | .. |
| Bargarh . . . | .. | 6 | .. | .. | .. |
| Jharsuguda . . . | .. | 7 | .. | .. | .. |
| Dhama . . . | 8 | 8 | .. | .. | .. |
| Palaman . . . | .. | 6 | .. | .. | .. |
| Mahadnar . . . | .. | 12 | .. | .. | .. |
| Panki . . . | .. | .. | 8 | .. | .. |
| Natarhat . . . | .. | 8 | .. | .. | .. |
| <i>Punjab.</i> | | | | | |
| Palampur . . . | .. | 9 | .. | .. | .. |

13. *Unsettled conditions of 25th to 29th August, 1934.*—A low pressure wave from the east passed into the Andaman Sea across Lower Burma after the 23rd and fairly widespread moderate to heavy rain occurred in Tenasserim between the 23rd and 25th ; in this connection conditions became unsettled in the north Andaman Sea on the 25th morning. The unsettled conditions moved slowly northwards and were located in the northeast Bay on the 27th morning. Thereafter the unsettled conditions moved westwards and passed inland into Orissa as a low pressure wave on the 29th. The low pressure wave moved slowly northwards and became unimportant in the course of the next 5 days.

14. *Depression of 6th to 10th September, 1934.*—With the passage of a low pressure wave from the east into the Bay across Burma and the strengthening of the monsoon in the south Bay after the 1st, conditions became markedly unsettled in the east central Bay on the 5th morning. During the course of the next 24 hours the unsettled conditions concentrated into a shallow depression which was centred near Lat. 17° N., Long. 89° E. on the 6th morning ; the cyclonic circulation over the Bay at this time extended at least upto a height of 3 kms. The depression moved northwestwards weakening at the same time and lay with centre about 70 miles to the eastnortheast of Gopalpur at 8 hrs. on the 7th. It passed inland between Gopalpur and Puri by the same afternoon and lay over the east Central Provinces on the next morning. The shallow low moved northwestwards till the 8th afternoon but curved to northeast thereafter and became unimportant over the east United Provinces by the 11th morning.

In connection with this depression the monsoon was strong in Lower Burma, the central parts of the country, east Rajputana and the east United Provinces, rainfall being generally heavy in the last named division on the 9th.

15. *Storm of 17th to 23rd September, 1934.*—A low pressure wave passed into the Bay from the east across Burma after the 12th and widespread moderate to heavy rain fell on the Arakan coast and at Diamond Island on the 13th and 14th. Conditions became unsettled in the northeast Bay by the 16th morning, and a shallow depression formed in the course of the next 24 hours with central region about 75 miles to the southeast of the Sandheads ; on the 17th morning the cyclonic circulation extended upto a height of at least 3 kms. and the monsoon was generally strong over the whole Bay. The depression remained practically stationary for the next two days but intensified at the same time and was centred near Lat. 20° N., Long. 89° E. on the 19th morning. Thereafter the deep depression began to move northwestwards, but continued to intensify further and was a storm by midnight of the 19th. The storm crossed coast slightly to the north of Chandbali at about noon on the 20th when the pressure deficiency at its centre must have been at least 0.40".

After crossing the coast the storm weakened into a depression which, moving northwestwards, filled up over the west Central Provinces on the 23rd.

Widespread and heavy rain fell along and near the track of this disturbance and the monsoon was on the whole active in Burma and northeast India between the 13th and 23rd and in and around the central parts of the country from the 19th to 23rd. According to newspaper reports heavy rain in

Gwalior State caused considerable damage to property there. Some of the very heavy falls of 10" or more in 24 hours in connection with this storm are given below :—

| Province. | Station. | 13th. | 14th. | 19th. | 21st. | 25th. |
|------------------|-------------------|-------|-------|-------|-------|-------|
| Bengal . . . | Dacca . . . | " .. | " 10 | " .. | " .. | " .. |
| Ditto . . . | Manickganj . . . | " 11 | " .. | " .. | " .. | |
| Ditto . . . | Joydebpur . . . | 13 | " .. | " .. | " .. | |
| Ditto . . . | Kishorganj . . . | " .. | " .. | 10 | " .. | |
| Ditto . . . | Mirsarai . . . | 10 | " .. | " .. | " .. | |
| Ditto . . . | Laksam . . . | 10 | " .. | " .. | " .. | |
| Bihar and Orissa | Bhaisalotam . . . | " .. | " .. | " .. | " 13 | |
| Ditto . . . | Pipli . . . | " .. | " 10 | " .. | " .. | |

16. *Depression of 1st to 4th October, 1934.*—On the 28th of September a message was received from the Hongkong Observatory that a typhoon of unknown intensity with a radius of 60 miles and centre at Lat. 17° N., Long. 107° E. was travelling westwards. Fairly widespread and locally heavy rain occurred on the Burma coast on the 28th, 29th and 30th and a depression appeared on the morning charts of the 1st October with central region over the Arakan hills; the cyclonic circulation at that time extended at least upto a height of 2 kms. In the course of the next 24 hours the depression moved slowly northnorthwestwards, intensified at the same time and at 8 hours on the 2nd was centred about 25 miles to the east of Cox's Bazar when the pressure deficiency at its centre must have been at least 0.35"; on the 2nd morning the cyclonic circulation extended in the upper air at least upto the level of the Alto clouds.

Continuing to move in a northnorthwesterly direction along the Chittagong coast, the depression weakened and lay near and to the east of Narayanganj on the 3rd morning. It filled up over Bogra and Mymensingh districts of east Bengal on the 4th.

The depression caused widespread and locally very heavy rain along and near its track in Burma and east Bengal, rainfall was also locally very heavy in Cachar and in Khasi hills in Assam. According to newspaper reports heavy rain was responsible for delay in air, steamer and railway traffic and flooding of some parts in Arakan, east Bengal and Assam; some damage to property and crops was also reported. The following are some of the noteworthy falls of very heavy rain (10" and over) recorded at 8 hours from the 2nd to 5th October :—

| Name of the station. | 2nd. | 3rd. | 4th. | 5th. |
|----------------------|-------|-------|------|------|
| Buthidaung . . . | " .. | " .. | " .. | " .. |
| Cox's Bazar . . . | 10 .. | 16 .. | " .. | " .. |
| Rangunia . . . | 12 .. | " .. | " .. | " .. |

| Name of the station. | 2nd. | 3rd. | 4th. | 5th. |
|---|-------|------|---------|---------|
| Lama . . . | " .. | " .. | " .. | " .. |
| Bongaon . . . | 10 .. | " .. | " .. | " 10 .. |
| Dabe . . . | " .. | " .. | " 10 .. | " 10 .. |
| Cherrapunji (Police Station) . . . | " .. | " .. | " 22 .. | " .. |
| Cherrapunji (Welsh Mission House) . . . | " .. | " .. | " 23 .. | " .. |
| Maungdaw . . . | 10 .. | " .. | " .. | " .. |

17. *Depressions of 13th to 16th October, 1934.*—A low pressure wave from the east passed into the east Bay across Burma between the 9th and 10th. The monsoon was fairly active in the Bay south of Lat. 13° N. on the 10th morning and it strengthened in the course of the next 24 hours as indicated by the backing and strengthening of the upper winds over Port Blair - westerly force 4 to 6 upto 1.5 kms. (limit of p. b. ascent)—on the 10th morning and southwesterly force 6 to 7 upto 2 kms. (limit of p. b. ascent) on the 11th morning. In connection with the above changes a trough of low pressure lay over the region from the southwest Bay to the east central Bay on the 11th and conditions were unsettled at the northeastern end of the trough. The unsettled conditions moved slowly westwards in the course of the next two days and a trough of low pressure lay in the west central Bay off the Circars coast at 8 hours on the 13th. The following ships' observations on that morning (0630 I. S. T.) indicated that conditions were markedly unsettled and a depression was forming at the southwestern end of the trough :—

| POSITION. | Lat. N. | | Wind. | Force. | REMARKS. |
|---------------------|----------|-------|-------|--------|--|
| | Long. E. | | | | |
| S. S. " Jalaratna " | 17 12 | 86 30 | ESE | 4 | Heavy rainsqualls between 15 and 19 hours on previous day with ENE wind. |
| S. S. " Megna " | 16 48 | 84 36 | ENE | 4 | |
| S. S. " Saugor " | 14 18 | 85 06 | W | 4 | |

S. S. *Jalaratna* experienced a SSE wind force 5 at 09-30 I. S. T. the same morning near Lat. 16° 48' N., Long. 85° 48' E. and a SSW wind, force 4 six hours later near Lat. 16° 24' N., Long. 85° 18' E. By 11 hours of the 13th a depression had formed off the Circars coast with central region near Lat. 16° 30' N. and Long. 85° E. The cyclonic circulation on the 13th afternoon extended in the upper air at least upto a height of 3 kms. and the upper winds over Vizagapatam were blowing from northeast between 0.5 and 3 kms. with force 7 to 10.

The depression did not move appreciably between the noon and mid-night of the 13th. Thereafter it seems to have weakened and become unimportant merging into the trough of low pressure which lay off the Circars—Orissa coast on the 14th morning. The surface winds off the Circars-Orissa—southwest Bengal coast (to the northwest of the trough line) at that time were mainly northeasterly and of force 4 to 6 and rain accompanied with squalls was experienced by ships in that region.

Between the 13th and 14th the monsoon had extended northwards in the east Bay along and off the Chittagong-Arakan coast and the upper winds over that region had also strengthened (direction of winds at Chittagong and Akyab on 14th morning being SE to S—force 4 to 8 up to 1·5 kms.) With these changes conditions had become markedly unsettled at the northeastern end of the trough by 8 hours of the 14th and another depression formed off the Orissa coast in the

course of the next three hours. It intensified thereafter and at 17 hours its centre lay about 30 miles to the east of Chandbali, the cyclonic circulation extending in the upper air at least up to the level of the Alto clouds.

S. S. Saugor (bound for Calcutta from Colombo) was following the disturbance since the 13th morning and her observations are given below :—

| Date. | Hours. | POSITION. | | Bar. | Dir. | Force. | REMARKS. |
|-------------------|------------|-----------|----------|-------|------|--------|---|
| | | Lat. N. | Long. E. | | | | |
| 13th October 1934 | 09.30 A.M. | 14 32 | 85 18 | 29.76 | W | 5 | Showers of rain. |
| | 2 P.M. | 15 20 | 85 42 | 29.64 | WSW | 4 | |
| | 6 P.M. | 16 00 | 86 00 | 29.65 | SSW | 4 | |
| | 8 P.M. | 16 18 | 86 15 | 29.68 | S | 3 | Light wind, slight sea and swell, cloudy overcast. |
| | 12 night | 16 55 | 86 30 | 29.67 | SE | 3 | Slight sea and swell. |
| 14th October 1934 | 4 A.M. | 17 23 | 86 42 | 29.66 | S | 3/4 | Gentle Moderate Breeze, slight sea and swell, overcast and clear, vivid lightning. |
| | 6 A.M. | 17 48 | 86 58 | 29.68 | SSE | .. | |
| | 8 A.M. | 18 05 | 87 05 | 29.74 | WNW | 3 | Light wind, low slight swell, overcast, light drizzling. |
| | 12 noon | 18 35 | 87 20 | 29.76 | WNW | 3/4 | |
| | 2 P.M. | 18 50 | 87 30 | 29.65 | NW | 4 | |
| | 4 P.M. | 19 15 | 87 33 | 29.64 | WSW | 5 | Moderate sea, long low swell, cloudy. |
| | 6 P.M. | 19 30 | 87 40 | 29.65 | WSW | 5 | |
| | 8 P.M. | 19 48 | 87 45 | 29.72 | SW/S | 5 | Moderate sea and swell, westerly swell, overcast. |
| | 12 night | 20 20 | 88 50 | 29.65 | S | 5 | Moderate to rough sea rising low short westerly swell, overcast and occasional heavy showers. |

The deep depression crossed coast slightly to the south of Balasore at about 22 hours on the 14th ; the pressure deficiency near its centre at that time must have been at least 0.30". The depression weakened after entering inland and continuing to move northwestwards, filled up over the northwestern districts of Chota Nagpur and the southeastern districts of the east U. P. on the 16th.

It may be pointed out that at no stage of the disturbance were surface winds of steady force more than 6 experienced by either coast stations or ships within a radius of about 150 miles from the centre although during squalls the wind velocity reached force 9 at Vizagapatam on the 13th afternoon and force 8 at the Sandheads and Saugor Island on the 14th.

In connection with this depression an extension of rainfall occurred round the head of the Bay of Bengal between the 12th and 13th, rainfall also extending and being fairly widespread generally in northeast India between the 14th and 16th.

18. *Movement of a low pressure wave from the southwest Bay to the southeast Arabian Sea across south Madras between 27th and 29th October, 1934.*—Pressure fell in the south of the Bay of Bengal between the 25th and 26th and a trough of low pressure appeared in the southwest of the Bay to the east of Ceylon on the 27th morning. In the course of the next

24 hours the trough moved northwestwards and on the 28th morning it lay off the south Coromandel coast. Moving westwards thereafter, it passed out as a low pressure wave into the southeast Arabian Sea across south Madras by the next morning and caused unsettled weather off Malabar-Konkan after the 29th.

In connection with the movement of this low pressure wave widespread rain occurred in south Madras between the 26th and 31st, rainfall extending into the north Madras coast, the Deccan and the Konkan on the last two days ; heavy falls of rain occurred locally on the Coromandel coast, in the ceded districts and Mysore.

Cuddalore 4" reported on 27th morning.

Negapatam 6" reported on 28th morning.

19. *The Arabian Sea storm of the 1st to 3rd November 1934.*—By the middle of October, the southwest monsoon had retreated to the extreme south of the Bay of Bengal, and northeast monsoon conditions set in over the south Bay by the 20th. Wide-spread thunderstorm rain occurred in southeast Madras between the 22nd and 25th. Pressure fell in the south Bay between the 25th and 26th and a trough of low pressure appeared to the east of Ceylon on the 27th morning. The trough lay on the 28th off the south Coromandel coast, and during the next 24 hours, a low pressure

wave passed out into the southeast Arabian Sea across south Madras and caused unsettled conditions off Malabar.

On the morning of the 29th, Minicoy was experiencing rough sea and a southeasterly wind of force 3. The upper winds at Colombo were from the southwest (force 6-7) between 0-5 and 3 km. and those at Bangalore, Mangalore and Bellary from an easterly direction (force 4-5) between 1 and 2 km. By the evening, the unsettled conditions became more marked and were extending northwards. S. S. *Masimpur* near Lat. 9°N, Long. 76°30'E. was experiencing at 8 P.M. a SSE wind of force 6, rough sea and rain with squalls.

By the 30th morning, a closed circulation was in evidence as shown by the following wind reports in addition to those of the coastal stations :—

| Station or Steamer. | Wind Direction. | Wind Force. |
|--|-----------------------|-------------|
| Amini Devi | Southeasterly | 2 |
| Minicoy | Southerly | 6 |
| S. S. <i>Clan McBride</i> at Lat. 16°53' N., Long. 63°47' E. | NNE'ly | 4-5 |
| S. S. "Trier" at Lat. 10°30' N., Long. 63°30' E. | NNE'ly | 3 |

By the next morning, a depression had formed, the surface wind at Minicoy having veered to southwest and maintained its force at 6. On that evening, the depression was centred

near 12° 30'N., 71°E. and was intensifying. Rough seas were reported from coastal stations and ships near the coast from Trivandrum to Honavar. S. S. "Clive" (14° 36'N., 74° 06'E.) reported, at 15-30 of the 31st, a SSE wind of force 6, skies mainly overcast with cumulonimbus clouds, very rough sea, moderate swell and squally weather. At 8 P.M. of that day, S. S. "Sirsa" north of Mangalore had a southeasterly wind of force 5, with frequent rainsqualls and rough seas, while S. S. "Clan McBride" lying to the north of the probable centre reported a northeasterly wind of force 5; N to NE'ly winds of force 5 were also reported from ships lying to the northwest of the central region and S. S. "Liebenfels" at 8° 30'N., 69° 30'E. reported a northwesterly wind, force 5.

On the morning of the 1st November, the depression had intensified into a storm with centre near latitude 14° 30'N., Long. 71° 30'E., S. S. "British Gunner" (Lat. 15°N., Long. 71°E.) recorded a northerly wind of force 8 and showers with heavy squalls. Rough to very rough seas were reported from practically all along the coast up to Veraval and at Minicoy and Amini Devi. Upper winds at Mangalore were from S to SW and of force 7-8 up to 3 km. at Bellary and Poona at 1 km., they were from the southeast and eastnortheast respectively (force 9 and 8 respectively). Upper winds at Ahmedabad which were light easterly on the previous day had become northeasterly upto 2 km., and strengthened to force 7-8. The following observations relating to the day from ships round the centre may be of interest :—

1st November 1934.

| Name of ship. | Hour I. S. T. | POSITION. | | Pressure. | WIND. | | CLOUD. | | Baro-metric tendency. | Sea. | Swell. | Present Weather. | Present weather Remarks. |
|------------------------|------------------|-------------|----------|-----------|-------|-------------------|--------|-------------------------|-----------------------------|-----------------------------|------------------------------------|---|--|
| | | Lat. N. | Long. E. | | Dir. | Force. | Kind. | Amount. | | | | | |
| S. S. British Gunner . | 07-30 | 15 0 | 71 0 | 29-36 | N | 8 | AS | 10 | Rising slowly. | High | Heavy, northerly. | Showers, heavy squalls in last 3 hours. | If heavy squalls. |
| S. S. British Gunner . | 10-30 | 14 42 | 71 12 | 29-56 | NW | 6 | AS | 10 | Rising very rapidly. Steady | Rough | Heavy, northwest-erly. | Showers | Overcast. |
| S. S. British Gunner . | 17-30 | 13 48 | 72 30 | 29-60 | SW | 4 | .. | .. | .. | .. | Heavy, south-westerly. | Variable | Cloudy. |
| S. S. Ranpura . | 11-30 | 18 48 | 72 30 | 29-77 | ENE | 5 SK, AK C or CS. | 9 | Rising slowly. Confused | .. | .. | .. | .. | Cloudy. |
| S. S. Takliwa . | 07-30 | 13 42 | 64 54 | 29-81 | N | 4 | CS | 6 | Steady | Slight | Moderate | Fair | Cloudy. |
| S. S. Takliwa . | 13-30 | 14 12 | 65 42 | 29-78 | NNW | 4 | K | 8 | Steady | Slight | Moderate | Fair | Rain in last hour. |
| S. S. Takliwa . | 17-30 | 15 42 | 66 30 | 29-74 | N | 6 | SK | 7 | Steady | Moderate | Moderate | Fair | Overcast. |
| S. S. Takliwa . | 21-30 | 15 06 | 67 06 | 29-82 | N | 6 | S | 5 | Rising | Moderate | Moderate | .. | .. |
| S. S. Barnora . | 20-00 | 19 41 | 71 34 | 29-67 | NE/N | 6-7 | Low | 10 | .. | Rough | Moderate northeasterly. | .. | Overcast and dull. |
| S. S. Ch. N. Kahan . | 08-00 | 19 58 | 70 16 | 29-77 | NE | 6-7 | Low | 10 | .. | Rough | .. | .. | Overcast and rain. |
| S. S. Ch. N. Kahan . | 20-00 | 19 19 | 71 52 | 29-72 | NE | 7 | Low | 10 | .. | Rough | .. | .. | Overcast and rain. |
| S. S. Warfield . | 07-30 | 15 18 | 73 30 | 29-57 | SSE | 6 | KN | 10 | Falling | Rough | Moderate southerly. | Rain | Rain with squalls. |
| S. S. Warfield . | 10-30 | 15 00 | 73 56 | 29-61 | SE | 6 | KN | 10 | Rising slowly. | Rough | Moderate southerly. | Rain | Rain with squalls. |
| S. S. Karanja . | 08-00 | Marmagao .. | 29-62 | E/S | 4-5 | Low | 10 | .. | Moderate | Moderate southerly. | .. | .. | Overcast. |
| S. S. Karanja . | 20-00 | 14 15 | 73 00 | 29-64 | WSW | 5 | Low | 10 | Moderate | Heavy, short southwesterly. | Heavy rain squalls. | .. | Overcast squalls. |
| S. S. Sirsa . | 08-00 | 16 02 | 73 25 | 29-68 | E | 2 | Low | 10 | Slight | Moderate easterly. | .. | .. | Continuous light rain frequent squalls. |
| S. S. Sirsa . | 20-00 | 18 09 | 72 37 | 29-57 | NE | 6-7 | Low | 10 | .. | Rough | Heavy, short, south-southwesterly. | .. | Overcast and dull continuous rain frequent hard squalls. |
| S. S. Clan Macbeth . | 11-30 | 15 24 | 73 06 | 29-53 | SSE | 8 | SK | 10 | Falling quickly. | .. | Heavy, short, southerly. | .. | Signs that a tropical storm has formed. |
| S. S. Dogra . | 13-30 | 18 00 | 74 42 | 29-66 | SSW | 4 | KN | 10 | Falling slowly. | Rough | Confused | .. | .. |
| S. S. Liebenfels . | 08-00 | 8 19 | 70 59 | 29-79 | WSW | 3 | .. | .. | .. | .. | .. | .. | .. |
| S. S. Orsova . | 11-30 | 8 54 | 68 42 | 29-89 | W | 4 | CS | 7 | .. | Moderate | .. | .. | .. |

The pressure deficiency at the centre of the storm at 8 hrs. as gauged from coastal and ships' observations must have been of the order of 0.50".

Marmagao recorded a southerly wind of force 8 from 9 hrs. to 13.30 hrs. of the 1st November. Pressure was falling between Marmagao and Ratnagiri on the coast. The available observations show that the storm was intensifying and moving in a northeasterly direction during the day. The 17 hrs. chart showed a well marked rainfront running from SW to NE from Bombay-Ratnagiri to the neighbourhood of Jubbulpore. By the morning of the 2nd, the storm was centred near Lat. 16° 15'N., Long. 71° 45'E. Surface winds and seas had however moderated in general. Only S. S. "India", situated at 17°N. and 64°E. reported a rough sea and a northeast wind of force 6 and the sea at Bombay continued to be rough. Upper winds also had weakened except at Ahmedabad where they were still of force 7-9 up to 2 km., and were northeasterly in direction. The storm remained practically stationary till the afternoon. Pressure was however rising along the coast during the day, although winds of force 6 were recorded by S. S. *Takliwa* (18° 25'N. and 71° 50'E.) even at 2 hours of the 3rd, by 8 hrs. of this date, however, weather had definitely moderated and the storm had weakened into a depression with its centre about 100 miles to the southwest of Bombay. The depression moved northwards during the day and a southeasterly wind of force 5-6 and a southerly wind of force 8 were recorded at the surface and 0.2 km., respectively at Bombay in the evening. At 8 hours on the 4th, Bombay surface winds maintained force 6 at the lower levels. Pressure had risen considerably since the previous day in the Konkan, and only a shallow depression was centred near about Lat. 19°N. and Long. 71° 30'E. By that afternoon the depression was filling up off the Kathiawar coast and the weather became normal by the evening of the 5th.

In connection with the formation and movement of this storm, widespread rain occurred in the Madras Presidency and Mysore between the 26th October and 2nd November, and in the west of the Peninsula between the 30th October and 4th November, the rainfall extending into the west Central Provinces between the 1st and 5th and into Gujarat and west Central India between the 3rd and 4th. News-

paper reports indicate that heavy rain in the Bombay Deccan caused floods in many rivers and was responsible for damage and casualties at some places.

20. *Storm of 5th-9th November 1934.*—Signs of a strengthening of the northeast monsoon in the southeast of the Bay of Bengal were noticeable on the 4th morning, Victoria Point and Sabang having 3" and 2" of rain respectively in the previous 24 hours; on that morning upper winds upto 1 km., (the limit of P. B. ascent) were easterly both at Victoria Point and Port Blair, the wind force being 4-9 at the former station and 3-5 at the latter. During the next 24 hours pressure fell in and around the Andaman Islands and a depression had formed by 8 hrs. of the 5th with centre near Lat. 10°N. and Long. 91° 30'E. Upper winds over Port Blair had also strengthened and were blowing on the 5th morning from eastnortheast to east with force 8-10 upto 1 km., (the limit of P. B. ascent); Port Blair and Car Nicobar had 2" of rain each between the 4th and 5th.

The depression intensified during the day, and at 17 hrs. was centred near Lat. 10° 15'N. and Long 90° 15'E.; *Warship Hawkins* reported SE wind of force 7 and very rough sea at 2-30 P.M. near Lat. 11° 45'N., Long. 92° 45'E. While moving northwestwards, the depression intensified further and was a storm on the 6th morning with centre at 8 hrs. near Lat. 10° 45'N., Long. 88°E. S. S. *Jalatarang* experienced NNE wind of force 8 near Lat. 11° 18'N., Long. 88°E. at 05-30 hrs. on the 6th morning and S. S. *British Gunner*, WNW wind of force 9 near Lat. 10° 24'N., Long. 87° 48'E. one hr. later. The pressure deficiency at the centre was about 0.40" on the 6th morning. Between the 5th and 6th the upper winds over Port Blair had veered to southeasterly from easterly, an indication that the storm would move more to the north than west. During the course of the next 24 hours the upper winds at Port Blair veered further to southwest through south and with this the storm also curved to the northeast through north and at 8 hrs. on the 7th was centred near Lat. 13°N., Long. 88°E. On the 7th morning the cyclonic circulation extended into the upper air at least upto the Altocumulus level.

S. S. *Jalatarang* was near the storm centre on the 6th and 7th and her observations from 5th to 8th are given below:—

| Date. | Hour. | POSITION. | | Bar. | WIND. | | REMARKS. |
|--------------------|-------|-----------|----------|-------|-------|--------|--|
| | | Lat. N. | Long. E. | | Dir. | Force. | |
| 5th November, 1934 | 5.30 | 9 54 | 86 48 | 29.80 | NE | 2 | Sea smooth, swell low from S, (Shower). |
| 5th November, 1934 | 8.00 | 10 18 | 86 12 | .80 | NE | 3 | Sea slight, swell moderate from NE, continuous rain. |
| 5th November, 1934 | 20.00 | 10 54 | 87 24 | .72 | N/W | 4 | Throughout day 8 P.M.—12 P.M., frequent rain-squall. |
| 6th November, 1934 | 5.30 | 11 18 | 88 | .41 | NNE | 8 | Sea very rough, swell heavy from NE, (Rain, Squalls). |
| 6th November, 1934 | 8.00 | 11 24 | 88 | .49 | NE | 7 | } Sea rough, swell heavy from NE, frequent heavy rain-squalls throughout day and night, sea rough, swell moderate from SE. |
| 6th November, 1934 | 20.00 | 11 54 | 88 24 | .45 | ESE | 6 | |
| 7th November, 1934 | 0.00 | 12 06 | 88 42 | .52 | ESE | 7 | Sea rough, swell moderate from SE, rain with squalls (Dr., Sq.). |

| Date. | Hour. | POSITION. | | Bar. | WIND. | | REMARKS. | |
|--------------------|-------|-------------------|----------|-------|-------|--------|------------------------------------|--|
| | | Lat. N. | Long. F. | | Dir. | Force. | | |
| 7th November, 1934 | 6-00 | ° 12 | 18 | 89 12 | .62 | S | 6 | Sea rough, swell heavy from S, (Rain). |
| 7th November, 1934 | 8-00 | 12 12 | | 89 12 | .64 | S | 5 | Sea rough, swell moderate from SE, occasional rain-squalls. |
| 7th November, 1934 | 16-00 | 13 30 | | 90 24 | .64 | S | 6 | Squally weather, sea rough, swell heavy from S, (Shower, Squally). |
| 7th November, 1934 | 19-00 | 13 42 | | 90 54 | .69 | SSE | 6 | Sea rough, swell confused, (Confused). |
| 7th November, 1934 | 20-00 | 13 42 | | 90 54 | .69 | SSE | 6 | Rain-squall between 9 p.m. and midnight. Sea moderate, Swell moderate, (Confused). |
| 8th November, 1934 | 1-00 | 13 48 | | 91 18 | .74 | S | 6 | Rain with squall, sea rough, swell heavy from S, (Squall). |
| 8th November, 1934 | 7-00 | 14 18 | | 92 18 | .76 | SSE | 5 | Sea rough, swell heavy from S, (Shower, Squall). |
| 8th November, 1934 | 8-00 | 14 18 | | 92 24 | .76 | S/E | 5 | Sea moderate, swell moderate from S. |
| 8th November, 1934 | 20-00 | Off Table Island. | | .79 | SSE | 3 | Sea slight, swell moderate from S. | |

N.B.—Remarks within bracket denote past weather remarks.

It will appear from her observations that at no stage did she experience wind of force more than 8.

Moving northeastwards the storm was centred near Lat. 15° 40'N., Long. 89° 20'E. at 8 hrs. on the 8th and near Lat. 18° 45'N., Long. 91°E. at 8 hrs. on the next day. The storm weakened while approaching the Chittagong-Arakan coast and entered inland between Akyab and Cox's Bazar at about 23 hrs. of the 9th; it broke up in the Arakan Hills by the evening of the 10th. The pressure deficiency at the centre of the storm when it passed inland must have been at least 0.26".

The storm was of small extent when it formed but the storm field extended after the 6th morning.

In connection with this storm widespread and locally heavy rain occurred in Burma excepting Tenasserim and on the Chittagong coast on the 8th and 9th.

21. *Storm of 25th-27th November, 1934.*—On the 23rd morning generally light northeasterly winds prevailed over the Bay above Lat. 5°N. In the course of the next 24 hrs. winds from southerly direction advanced northwards upto about Lat. 7°N. and signs of the intensification of the seasonal low in the south of the Bay of Bengal were noticeable on the 24th morning. By the next morning a depression had formed with centre near Lat. 8° 30'N., Long. 87° 30'E.

The depression moved northwestwards, intensified at the same time and in the afternoon of the 25th was a storm as indicated by the observations of *S. S. Aungban* (Rangoon to Bombay), *S. S. Gogra* (Bombay to Rangoon) and *S. S. Wildenfels* (Tuticorin to Rangoon) which are given below:—

| Name of ship. | Date. | Hour. | POSITION. | | Bar. | WIND. | | REMARKS. |
|---------------|---------------------|-------|-----------|----------|-------|-------|--------|--|
| | | | Lat. N. | Long. E. | | Dir. | Force. | |
| Aungban . . | 25th November, 1934 | 12-00 | ° 10 14 | 86 49 | 29.75 | NE/E | 7 | Frequent heavy rain-squalls, overcast, cloudy. |
| | | 16-00 | 09 46 | 86 18 | .64 | NE/E | 7 | Frequent squalls. |
| | | 20-00 | 09 38 | 86 29 | .78 | E/N | 8 | Frequent squalls. |
| | | 00-00 | 09 38 | 86 37 | .65 | ESE | 7-8 | Squalls less frequent. |
| | | 04-00 | 09 38 | 86 42 | .66 | SSE | 6-8 | Squally. |
| | | 08-00 | 09 23 | 86 58 | .77 | S/W | 4-5 | Occasional showers. |
| | | 12-00 | 09 07 | 86 40 | .77 | S/W | 3 | Slight swell. |

| Name of ship. | Date. | Hour. | POSITION. | | Bar. | WIND. | | REMARKS. |
|------------------|---------------------|-------|-----------|----------|------|-------|--------|----------------------------|
| | | | Lat. N. | Long. E. | | Dir. | Force. | |
| Gogra . . . | 25th November, 1934 | 12-00 | ° 07 57 | 84 03 | .85 | NNW | 4 | Overcast, passing showers. |
| | 25th November, 1934 | 16-00 | 08 05 | 84 26 | .70 | NW | 6 | Overcast, passing showers. |
| | 25th November, 1934 | 20-00 | 08 12 | 84 48 | .74 | NW | 6-7 | Passing showers. |
| | 25th November, 1934 | 00-00 | 08 20 | 85 11 | .72 | NW/N | 8 | Overcast, Rain. |
| | 26th November, 1934 | 04-00 | 08 27 | 85 34 | .65 | SW/W | 6 | |
| | 26th November, 1934 | 08-00 | 08 35 | 85 56 | .68 | SW | 5 | |
| | 26th November, 1934 | 12-00 | 08 44 | 86 20 | .79 | SSW | 6 | |
| Wildenfels . . . | 25th November, 1934 | 12-00 | 09 28 | 86 32 | .72 | NNE | 6 | Squally. |
| | 25th November, 1934 | 16-00 | 09 36 | 86 27 | .59 | E | 8 | Squally. |
| | 25th November, 1934 | 20-00 | 09 45 | 86 23 | .61 | NE | 9 | Squally. |
| | 25th November, 1934 | 00-00 | 09 53 | 86 18 | .51 | NE | 8 | Squally. |
| | 26th November, 1934 | 04-00 | 10 02 | 86 14 | .49 | SSE | 8 | |
| | 26th November, 1934 | 08-00 | 10 09 | 86 09 | .72 | SSE | 5 | |
| | 26th November, 1934 | 12-00 | 10 17 | 86 04 | .76 | SSE | 4 | |

Moving westnorthwestwards the storm was centred near Lat. 10°N., Long. 83° 30'E. at 8 hrs. of the 26th S. S. *Gharinda* (Jaffna to Madras) and S. S. *Elephanta* (Negapatam to Port

Swettenham) were in the storm field between noon of the 26th and noon of the 27th. Extracts from their logs are given below:—

| Name of ship. | Date. | Hour. | POSITION. | | Bar. | WIND. | | REMARKS. | |
|----------------|---------------------|---------------------|-----------|-------|-------|-------|--------|-------------------------------|-----------------|
| | | | Lat. | Long. | | Dir. | Force. | | |
| Gharinda . . . | 26th November, 1934 | 12-00 | ° 09 49 | 79 49 | 29-81 | N | 3 | | |
| | 26th November, 1934 | 16-00 | 09 56 | 80 00 | .69 | NNW | 5-6 | Rain. | |
| | 26th November, 1934 | 20-00 | 10 02 | 80 12 | .70 | NW/N | 7-8 | Squall Rain. | |
| | 26th November, 1934 | 00-00 | 10 09 | 80 23 | .59 | N/W | 8 | Squall Rain. | |
| | 27th November, 1934 | 04-00 | 10 15 | 80 35 | .35 | N/E | 8 | Hurricane force squalls Rain. | |
| | 27th November, 1934 | 08-00 | 10 22 | 80 46 | .56 | SE/E | 8 | Overcast, Squall. | |
| | 27th November, 1934 | 12-00 | 10 30 | 80 56 | .62 | ESE | 8 | Overcast, Squall. | |
| | 27th November, 1934 | 16-00 | 10 50 | 80 58 | .68 | SE/E | 7 | Rain. | |
| | 27th November, 1934 | 20-00 | 11 20 | 80 54 | .77 | E | 5 | | |
| | Elephanta . . . | 26th November, 1934 | 16-00 | 10 40 | 80 06 | .71 | NNW | 4 | Drizzle. |
| | | 26th November, 1934 | 18-00 | 10 35 | 80 28 | .68 | N | 5 | Squall. |
| | | 26th November, 1934 | 22-00 | 10 25 | 80 54 | .60 | N/E | 6 | Squall Drizzle. |
| | | 27th November, 1934 | 02-00 | 10 11 | 81 17 | .42 | N/E | 3-4 | Overcast. |
| | | 27th November, 1934 | 03-00 | 10 09 | 81 25 | .38 | SSW | 4-5 | Rain. |
| | | 27th November, 1934 | 04-00 | 10 08 | 81 31 | .44 | SSW | 8 | Rain. |
| | | 27th November, 1934 | 05-00 | 10 08 | 81 37 | .51 | SSW | 8 | Rain. |
| | | 27th November, 1934 | 08-00 | 10 08 | 81 55 | .73 | S/W | 6 | |
| | | 27th November, 1934 | 12-00 | 09 31 | 82 29 | .77 | SSW | 5 | |

After 8 hrs. of the 26th, when the centre lay about 250 miles to the southeast of Negapatam, the storm moved more to the west than westnorthwest. *S. S. Gharinda* was nearest the storm centre at about 4 A.M. on the 27th and from her barometer readings given above it appears that the pressure deficiency at the centre at that time was between 0.40" to 0.50". *S. S. Elephanta* was nearest the storm centre at about 3 A.M. on the 27th and her barometer readings given above also show that the pressure deficiency at the centre at that time was of the same order. The wind force reported by this steamer indicate that light winds prevailed near the centre. It is, also, clear from available observations of steamers which were in the storm field that winds of steady force more than 9 were not experienced at any stage of the storm, although occasional squalls of hurricane force were reported by *S. S. Gharinda* at 4 A.M. on the 27th and the storm was, therefore, not of severe intensity.

The storm weakened to some extent while approaching the Coromandel coast and passed inland to the south of Negapatam at about 14 hrs. on the 27th. Thereafter it weakened rapidly into a low pressure area which filled up over southeast Madras on the 28th. The disturbance was responsible for

fairly widespread rainfall in the south of the Peninsula between the 26th and 28th.

Below is given an extract from the report of the Port Officer, Negapatam :—

"Barometer reading at 08-00 hours on 26th November, 1934, 30.036 with attached thermometer—75°, the force of the wind from NW being 2, kept steady and then veering to NNW until 10 hrs. On 27th November 1934 when it veered to NNE, force 6, sea high with heavy swell.

"Barometer reading at 08 hrs. on 27th November, 1934—29.900, with attached thermometer—77°, direction of wind—NNE, force 6, sea high with heavy swell, rainfall for past 24 hrs.—3.04 inches.

"The force of the wind increased to 7 when it veered to NE at 11 hrs., to ENE at 14 hrs. and to E at 23 hrs., the force all along remaining at 7. The wind veered to ESE at 1.15 hrs. on 28th November, 1934, the force of the wind moderating to 5. Rainfall for the past 24 hrs. recorded at 08 hrs. on 28th November, 1934—1.30 inches.

"The port experienced squally weather with high sea and heavy swell on 27th November 1934. On 28th November 1934, the weather became fine with sea, slight."

WESTERN DISTURBANCES.

The following is a list of the Western Disturbances which affected the weather in northern India during the year with the dates on which they did so and brief notes on the precipitation that they produced :—

| Serial No. | Date. | REMARKS. |
|------------|---------------------|---|
| 1 | January. 1—5 . . | Local falls of rain or snow in Kashmir from the 1st to 3rd and in the North-West Frontier Province on the 1st and 2nd; nearly general rain in the east and north Punjab with a few light showers in the southwest Punjab and in and near the Kumaon hills on the 1st and scattered light showers in and near the Punjab-Kumaon hills on the 2nd and 3rd. In connection with this disturbance a secondary low appeared over the east Punjab and the west United Provinces which gave widespread rain or snow in Kashmir and in and near the Punjab-Kumaon hills on the 4th and scattered falls in those divisions on the next day. |
| 2 | 7—8 . . | Scattered light showers in east Rajputana and the west United Provinces on the 7th and local rain in the east and north Punjab and the east United Provinces with a few falls in Kashmir and the west United Provinces on the 8th. |

| Serial No. | Date. | REMARKS. |
|------------|----------------------------|--|
| 3 | January—contd. 9—13 . . | Fairly widespread rain or snow in Baluchistan and along the western Himalayas on the 9th and in Kashmir and the east and north Punjab on the next day. Extensive thundershowers in the United Provinces and east Central India with a few falls in east Rajputana and the west Central Provinces on the 10th; scattered falls of rain in Kashmir and from the Punjab to Assam on the 11th and from the United Provinces to Assam and in the Punjab hills on the 12th, and nearly general rain in Assam with a few falls in Bengal on the 13th. |
| 4 | 12—13 . . | Local rain or snow in Kashmir on the 13th. |
| 5 | 16 . . | A few falls of rain or snow in and near the Punjab hills on the 16th. |
| 6 | 18—23 . . | A few falls of rain or snow in Kashmir on the 19th, scattered falls along the western Himalayas on the next two days and a few falls of rain in Assam on the 23rd. |
| 7 | 22—30 . . | Duststorms with scattered showers in north Baluchistan and widespread rain or snow in the western Himalayas with local falls in the North-West Frontier Province between the 27th and 29th. A secondary depression which formed over the east Central Provinces on the 29th gave scattered falls of rain in the United Provinces, Central India, Bihar, Chota Nagpur and Bengal on the 29th. |

| Serial No. | Date. | REMARKS. | Serial No. | Date. | REMARKS. |
|------------|------------------|--|------------|---------------------|--|
| | <i>February.</i> | | | <i>April—contd.</i> | |
| 8 | 5—8 | Light local showers of rain or snow in Kashmir on the 7th. | 19 | 6—7 | Fairly widespread rain on the 6th and local rain on the next day in Kashmir and a few falls in the North-West Frontier Province and the Punjab hills on the 6th and 7th. |
| 9 | 9—11 | Gave no precipitation. | 20 | 8—12 | Fairly widespread thundershowers in the North-West Frontier Province from the 8th to 11th and local showers in Kashmir on the 8th, 9th and 11th, in the south-west Punjab on the 10th and in the whole of the Punjab and the Kumaon hills on the next day; light showers also occurred in north Baluchistan on the 8th and 9th and along and near the western Himalayas on the 12th. |
| 10 | 18—20 | A few light showers in Kashmir on the 19th. | 21 | 15—19 | Local rain in Kashmir on the 18th. |
| 11 | 20—22 | A few light showers in Kashmir on the 20th and 22nd and nearly general showers of rain or snow there on the 21st. | 22 | 20—25 | Fairly widespread thunderstorms and rain in the North-West Frontier Province between 22nd and 24th, in Kashmir from 22nd to 25th, in Baluchistan on the 22nd and 23rd and in the east and north Punjab from 23rd to 25th. |
| 12 | 24—27 | Local falls of rain in the North-West Frontier Province, Kashmir and the Punjab hills between the 24th and 26th; in the rear of the disturbance fairly widespread duststorms also occurred along and near the northwest frontier on the 25th. | 23 | 27—30 | Local rain in Kashmir on the 29th and 30th. |
| 13 | March. 4—7 | Local rain in Baluchistan and the west Central Provinces on the 4th, nearly general thunderstorm rain in east Central India and local rain in the southwest Punjab, the United Provinces and the west Central Provinces with fairly widespread light showers in the plains of northwest India on the 5th and widespread rain and thunderstorms from the North-West Frontier Province to the United Provinces on the next two days. | 24 | May. 2—5 | Local rain in Kashmir on the 2nd and 3rd and scattered showers in the western Himalayas on the next two days. |
| 14 | 7—12 | Extensive rain in and near the hills of northwest India and thunderstorms in north Baluchistan, the plains of the east and north Punjab and the United Provinces on the 8th and fairly widespread rain in the North-West Frontier Province, Kashmir and the Punjab on the next two days; scattered falls continued in Kashmir on the 11th and 12th. | 25 | 6—13 | Fairly widespread dust or thunderstorms in the hills of northwest India on the 7th, 9th and 10th and in the plains of the Punjab from the 8th to 12th; fairly widespread rain in the North-West Frontier Province from the 9th to the 11th and in Kashmir on the 8th, and local rain in the latter division from the 9th to 13th and in and near the Punjab hills on the 8th and 12th. |
| 15 | 16—21 | A few light showers in Kashmir on the 17th and 18th and scattered dust or thunderstorms in north Baluchistan and lower Sind on the latter date; fairly widespread thundershowers in the North-West Frontier Province on the 19th and 20th and scattered thunderstorms in lower Sind on the 19th, in Gujarat on the 19th and 29th and in the north Punjab, north Baluchistan and west Rajputana on the latter date. | 26 | 15 | Gave no precipitation. |
| 16 | 24—26 | Scattered light showers in the North-West Frontier Province, Kashmir and the east and north Punjab on the 24th and nearly general rain or snow in Kashmir on the 25th with local showers there on the next day and in the North-West Frontier Province and the Punjab hills on the 25th. | 27 | 16—18 | Fairly widespread thundershowers in the North-West Frontier Province and Kashmir from the 16th to the 18th with scattered dust or thunderstorms in Baluchistan on the 17th, in the Punjab on the 17th and 18th and in east Rajputana, west Central India and the west Central Provinces on the latter date. |
| 17 | 28—30 | A few falls of rain in Baluchistan and local rain in Kashmir on the 28th, 29th and 30th with a few light showers in the North-West Frontier Province on the first two dates and in the Punjab hills on the 29th. | 28 | 19—21 | Scattered light showers in the North-West Frontier Province and Kashmir on the 19th and 21st and local rain in Kashmir and the Punjab Kumaon hills with scattered dust or thunderstorms along the northwest frontier and in the plains of the Punjab on the 20th. |
| 18 | April. 1—2 | A few falls of rain in Kashmir on the 1st and nearly general rain or snow there on the 2nd, with local falls of rain in the North-West Frontier Province and in the adjoining hills of the Punjab on the latter date. | 29 | 22—24 | A few thundershowers along the northwest frontier on the 22nd and local rain in the North-West Frontier Province and a few falls in Kashmir, on the 24th. |
| | | | 30 | 26—28 | Scattered dust or thunderstorms in north Baluchistan on the 26th and in the hills of northwest India and in the north Punjab on the next day with local rain in Kashmir on the 27th and 28th; widespread thunderstorm rain in the Punjab Kumaon hills and scattered light showers in the North-West Frontier Province and the plains of the east and north Punjab on the 28th. |

| Serial No. | Date. | REMARKS. | Serial No. | Date. | REMARKS. |
|------------|-----------|--|------------|-----------------|---|
| | | <i>May—contd.</i> | | | <i>December.</i> |
| 31 | 30—31 . . | Local thundershowers in the North-West Frontier Province and Kashmir and a few falls in the east and north Punjab on the 30th and 31st. | 45 | 1—5 . . | Gave no precipitation. |
| | | <i>June.</i> | 46 | 5—8 . . | Light showers in the North-West Frontier Province on the 8th. |
| 32 | 6—10 . . | Dust or thunderstorms and local rain in north-west India between the 6th and 8th; showery weather continued in Kashmir upto the 10th. | 47 | 9—12 . . | A few light showers in the North-West Frontier Province on the 10th, 11th and 12th. |
| 33 | 15 . . | Gave no precipitation. | 48 | 12—14 . . | A few light showers in Baluchistan on the 12th and 13th; nearly general rain in the North-West Frontier Province on the 13th and light local showers in Kashmir and the north Punjab on the 13th and 14th. |
| 34 | 16—17 . . | Widespread dust or thunderstorms in the hills of north-west India on the 16th and 17th and in the plains of the Punjab on the former date. | 49 & 50 | 14—18 and 18—19 | These two disturbances were responsible for fairly widespread rain along the north-west frontier on the 14th and 15th, in Kashmir from the 14th to 16th, in the east and north Punjab between the 15th and 18th and in and near the hills of the United Provinces on the 16th, 17th and 18th. The low pressure area formed as a result of these two disturbances finally passed away after causing light showers in Kashmir and the Punjab hills on the 19th. |
| | | <i>July and August.</i> | | | |
| 35 | 22—25 . . | No well marked western disturbances. Scattered thundershowers in the North-West Frontier Province and Kashmir from the 22nd to 25th, rainfall also extending in the Punjab and the Kumaon hills on the 25th. | 51 | 19—20 . . | Light local showers along the north-west frontier on the 19th and 20th and a few falls of rain or snow in Kashmir and the Punjab hills on the latter date. |
| | | <i>September.</i> | 52 | 21—23 . . | Nearly general rain in Baluchistan on the 21st and 22nd and local rain in Kashmir with a few light showers in the North-West Frontier Province, the Punjab and west Rajputana on the latter date; local rain in Kashmir with fairly widespread rain in the east and north Punjab and the west United Provinces and a few falls in Rajputana and the North-West Frontier Province on the 23rd. |
| 36 | 5—7 . . | Local showers in the North-West Frontier Province on the 5th and a few falls there on the next day. | 53 | 24—28 . . | Fairly widespread rain in Baluchistan on the 24th and 25th and local rain or snow in Kashmir on the 25th, 26th and 27th, in east Rajputana on the 26th and in the Punjab-Kumaon hills on the 28th; a few falls also occurred in Baluchistan, the west United Provinces and west Central India on the 26th, in the Punjab and west Central India on the 27th and in the United Provinces and the west Central Provinces on the next day. |
| 37 | 8—10 . . | Local rain in Kashmir and a few falls in the North-West Frontier Province and the Punjab hills on the 9th. | 54 | 29—30 . . | A few falls of rain or snow in Kashmir on the 29th and 30th. |
| 38 | 17 . . | A few falls of rain in Kashmir on the 17th. | 55 | 31 . . | A few light showers in Baluchistan on the 31st. The disturbance was still affecting the country at the end of the month. |
| 39 | 19—20 . . | A few light showers in the Murree hills and Kashmir on the 19th. | | | |
| 40 | 26 . . | A few light showers in Kashmir on the 26th. | | | |
| | | <i>November.</i> | | | |
| 41 | 5—6 . . | Scattered falls of rain or snow in Kashmir and a few light showers in the North-West Frontier Province on the 5th and 6th. | | | |
| 42 | 9—13 . . | Light showers of rain or snow in Kashmir between the 10th and 13th. | | | |
| 43 | 14—17 . . | Scattered falls of rain in the North-West Frontier Province and Kashmir on the 15th and 16th. | | | |
| 44 | 20—25 . . | A few falls of rain in Baluchistan on the 21st and 22nd, and a few light showers of rain or snow in Kashmir between the 22nd and 24th. | | | |

LOCAL STORMS.

Of the local storms reported in the newspapers, the following are noteworthy :—

January 23rd.—A whirlwind raged over a small area near the village of Ram Krishnandi (Dacca District) at about 2 A.M. It overtook a boat which sank in the river Dhaleshwari on its way to Dacca, resulting in 5 deaths.

February 16th.—Two Europeans and two Indians were drowned when a thunderstorm arose, while they were crossing the river Brahmaputra off Dhubri.

February 17th.—Seven persons were killed and fourteen injured in the village Sapaihat and Raiwail (Rajshahi District) by a severe thunder and hailstorm, which destroyed many houses, rendering a large number of people homeless. Big trees were uprooted and crops damaged.

February 22nd.—A severe nor'wester passed over the Santhia and Boalmari villages (Pabna District) at about 2 P.M. Several houses were blown away and many persons rendered homeless.

March 2nd.—A country boat which was carrying a large number of passengers to Kakatpur (Puri District) was caught in a violent thunderstorm in the Devi river and capsized, as a result of which about 50 persons were reported to have been drowned.

April 9th.—A severe thunderstorm attended with a heavy downpour passed over Tangail and caused considerable damage in the interior of the sub-division from Gopalpur to Dhanbari. At Shajampur a large number of houses were razed to the ground. Hundreds of people were rendered homeless in Madhupur, electric wires were torn asunder and the town was in darkness for hours together.

April 11th.—A boat with passenger and valuable goods was reported to have capsized in the Karnaphuli river (Chittagong District) during a heavy gale attended with thunder-rain.

April 19th.—Electric lights failed and trees were uprooted when a duststorm swept over Dhulia (Khandesh). A boy aged 10 years was crushed to death by a falling tree.

April 24th.—As a result of a severe storm accompanied by heavy showers in Hapur (United Provinces) roofs were blown off, trees were uprooted, telephonic communications were cut off, electric poles were unhinged and the town was plunged in darkness.

Four persons were killed and considerable damage to property caused by a thunderstorm in Muzaffarnagar (United Provinces). A godown of the Upper Junna Swadeshi Sugar Mills at Mansurpur collapsed and the water tank was blown off. Scores of trees were uprooted.

April 29th.—A severe duststorm which passed over Meerut caused considerable loss to life and property. Over 500 trees were uprooted, and many persons and animals were found dead along the roadside.

April 30th.—Twenty persons were killed while considerable damage was done to property by a nor'wester which passed over Sylhet and its suburbs. Numerous houses were blown away or collapsed and big trees were uprooted. Telegraph and electric wires were cut. The Government steam

launch "Lindsay" sank and a number of cargo laden boats capsized in the Surma river.

A severe thunderstorm which passed over Karimganj Sukdio (Sylhet) caused boats to capsize in the river, 18 deaths were reported from Jaldup (Sylhet) alone.

Vandiperiyar in Madura District experienced severe thundersqualls. It was reported that telegraph posts and several trees between Vellodu and Ambaturai stations on the S. I. Ry. were uprooted and a portion of a station roof was blown off.

May 1st.—Many trees were uprooted and cottages damaged in a severe duststorm which blew over Chittagong. The storm lasted one hour during which the town lights failed.

May 3rd.—Two middle-aged merchants of the village of Cheym were reported to have been struck with lightning about ten miles from Tirupur and died on the spot.

May 5th.—A severe tornado passed over the district of Caigarh. Houses were blown off and several people died.

May 6th.—A heavy hailstorm over Narkaliaganj, Champaran. Almost all the houses collapsed and several persons and cattle were killed.

May 7th.—Eight coolies were killed and fifteen hopper trucks capsized as the result of flooding of the cooly camp at Dittockcherra on the Assam-Bengal Railway by heavy gusting down of the rain waters from the hills. Through running of trains was temporarily suspended.

May 8th.—A big boat loaded with 6,500 gallons of crude oil capsized near Myannah landing stage and trees were uprooted as a result of a severe duststorm in Myingyan District. Yenangyaung also suffered from a severe dust-storm accompanied by thunder resulting in a fall of considerable depth of dust.

May 11th.—Severe duststorms, resulting in some accidents, were reported from a number of Punjab towns. The train service between Ludhiana and Lodhowal had to be suspended for more than six hours owing to a storm which brought down many trees on the railway line.

A severe duststorm struck the Terath Laki Station, between Kotri and Dadu on the N. W. Railway, blew down twelve menials' quarters besides badly damaging some officer's quarters. The station building was also damaged.

May 13th.—Three women were killed by lightning in Malapuram, a village near Virudhanagar.

It was reported that two children were killed by a falling tree while roofs of several houses were blown off and many trees uprooted as the result of a severe thunderstorm accompanied by heavy rain and hail in Toungod.

May 14th.—Two youths were killed by lightning in Ammannatti, a village in Ramnad District.

One person was killed, another seriously injured and some children received minor injuries as a result of a thunder-storm which swept over Poona.

May 15th.—Eighteen telegraph posts between Koilpatti and Nalli Stations on the S. I. Ry. were uprooted as result of a severe thunderstorm. Thatched and tiled roofs of nearly

900 houses were also blown away or pulled down by the storm.

A motor bus was overturned and an old woman was killed outright due to heavy wind on the Madura-Aruppu Kotta road.

May 16th.—A terrific gale swept over Arliam near Prome, besides minor devastation, two cotton godowns belonging to a firm collapsed resulting in the death of four Burmese women labourers and injury to nine others.

May 18th.—Hundreds of thatched houses were destroyed, telephone and telegraph wires were cut, trees were uprooted in Caleutta and its suburbs as the result of one of the severest thunderstorms experienced in living memory. Half a dozen cargo boats carrying paddy, rice, bricks and logs of wood also went down.

A severe thunderstorm passing over Karinganj (Assam) sank the steamer "*Juna*" in the river Kushjara some two miles off from Karinganj.

May 21st.—Two persons were killed by a severe thunderstorm which swept over Rangpur.

A thunderstorm which swept over Dacca caused the steam launch "*Kashuit*" belonging to the Nawab of Dacca's family to be sunk in the river Buriganga. A portion of the European military barracks also came down.

A coolie was killed and two others were seriously injured by lightning near the race-course at Madura.

May 22nd.—Two persons were killed by lightning in a thatched shed in Kanjaraenpettai village in the Madura District.

May 23rd.—As a result of a severe thunderstorm over Dannbyu in Maubin District, six buildings collapsed and the entire row of structures on the eastern side of the pagoda were razed to the ground. A bullock was killed by lightning.

May 24th.—During a severe thunderstorm in Rangpur, the pilkhana of Raja Bahadur of Tajhat collapsed on an elephant resulting in instantaneous deaths of two mahouts.

A violent hailstorm which resulted in some boats being sunk, swept near the village of Mayhand, situated on the bank of the Indus (Karachi).

May 26th.—A severe hailstorm passed over Sirajganj Sub-Division. Two persons met with death due to lightning.

Three persons were killed, several houses were blown off and a large number of trees uprooted when a severe thunderstorm passed over Chourhash and other villages several miles from Kushtia.

A thunderstorm passed over the western portion of the Sadar Sub-Division (Rajshahi), resulting in one person being killed and a large number injured. The Lalitnagar Leprosy Hospital of Rajshahi District Board was completely demolished. Several railway stations were also damaged.

May 27th.—At furious thunderstorm swept over the town of Bhola (Barisal). Many houses were blown down and two persons were killed by lightning.

Four men were crushed to death by a tree falling on a hut in which they had taken shelter when a terrific thunder-

squall was blowing near Krishnapuram, thirty miles from Viradhanagar (Madras).

Four boats that were securely anchored broke their cables and were pitched into the river Indus as a result of a violent hailstorm near Maujhand town (Karachi). Two of these boats capsized. Another small boat was smashed to pieces. Residential quarters in Maujhand were extensively damaged. Hundreds of trees and many telegraph poles were also uprooted.

May 28th.—As the result of a storm at Twante (Rangoon) trees were uprooted and more than 100 houses blown down. A Government steam launch lying at anchor at a jetty, got sunk. A fully loaded sampan was smashed to pieces, when it was lifted from the water and hurled ashore.

May 29th.—As a result of a severe thunderstorm that swept over villages in Haveli, Khargpur and Tarapur Thanas (Bihar) two persons were killed, several houses blown off and a number of trees uprooted.

May 31st.—Eleven women and the Sexton of the Catholic Church at Ayarkannam (Travancore) received severe burns when the Church was struck by lightning. The Church tower was demolished. A fire also broke out inside the Church but was extinguished.

June 3rd.—Two Sikh carpenters were struck by lightning and killed at Kapurthala.

June 4th.—Two persons were struck by lightning during a severe thunderstorm which passed over Simla. Both were struck unconscious and received burns.

A woman at Halisahar (Chittagong) was struck to death by lightning during a thunderstorm accompanied by rain.

June 6th.—A peasant with his two bullocks were instantaneously killed by lightning during a storm in Barisal while ploughing his fields.

Several lives were lost in a boat disaster during a thunderstorm of severe intensity which passed over a part of the Patuakhali Sub-Division.

June 11th.—Fifty people were crushed to death by the collapse of a "Dharamshala" in Rabata (Ahmednagar District) due to sudden heavy rain accompanied by strong wind.

June 12th.—At Asansol, two persons at the Dadka colliery about one mile to the north of the town were struck by lightning and were instantaneously killed.

June 13th.—Three persons were killed by the collapse of a mud wall of a house during a severe thunderstorm at Conjeevaram.

June 14th.—One person died and twelve persons were injured due to house collapse caused by a severe tornado which swept over Natundi and other villages in Purulia.

June 16th.—Instantaneous death of two cultivators from lightning shock was reported to have occurred within Ramganj Thana in Noakhali District.

June 19th.—The town of Meerut was plunged into darkness for a short time due to a storm. The second storey of a half-built structure collapsed killing two persons.

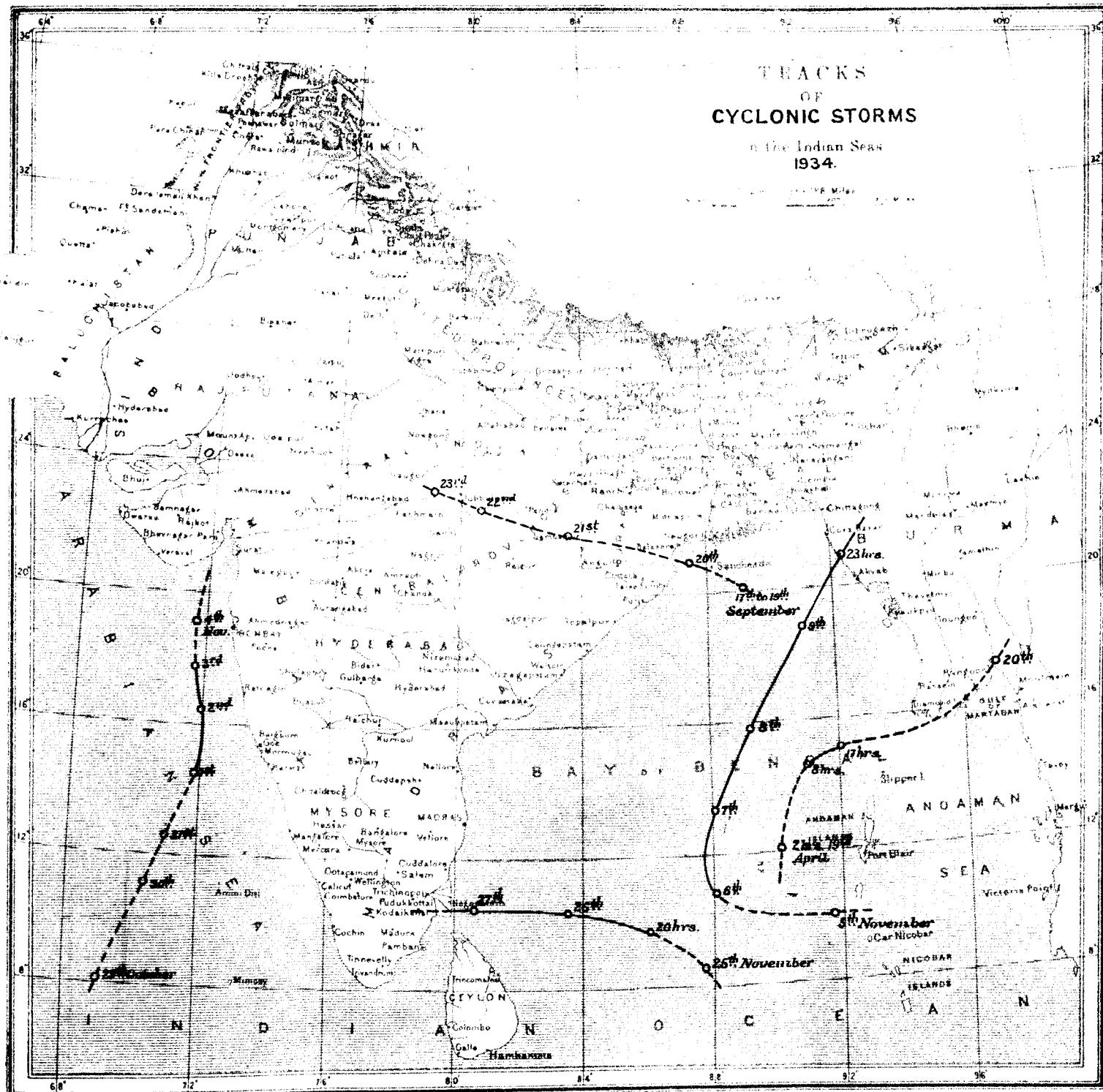
September 19th.—Fortyfive persons were missing as the result of the capsizing of a District Board Ferry during a gale that occurred about 10 miles west of Noakhali.

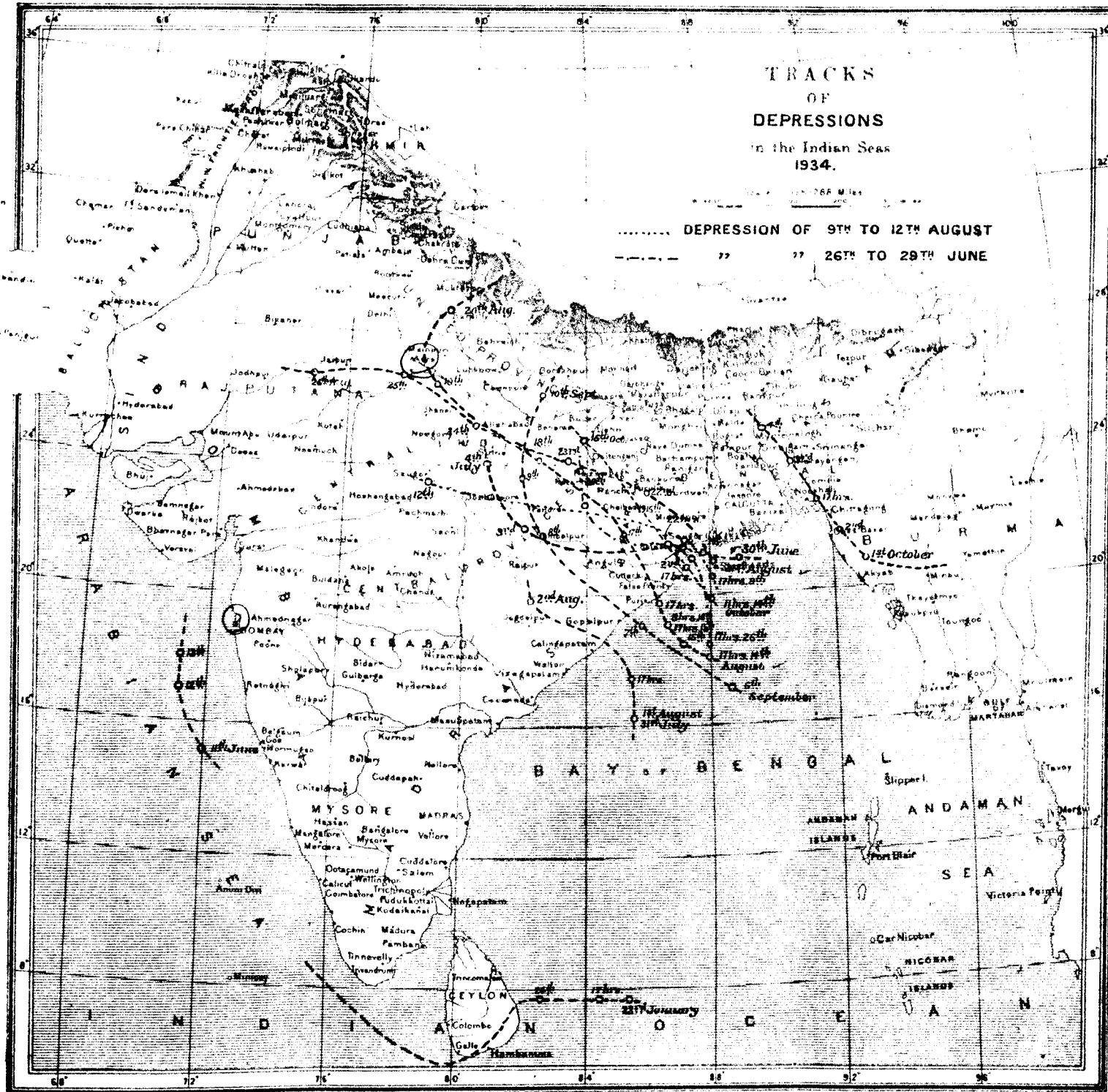
WINDS OF FORCE NINE OR MORE IN INDIAN SEAS.

Excluding dates of storms and depressions, a description of which has been given above, winds of force nine or more were recorded on ships in the Indian seas during the year 1934 on the following occasions.

| Date. | Name of ship. | APPROXIMATE POSITION. | |
|---------------|--------------------|-----------------------|--------------------|
| | | Lat. °N. | Long. °E. |
| 28th June . . | s.s. Lichenfel . . | between 13 & 12 | between 59 & 60 |
| 29th . . | s.s. Tabian . . | 15 | between 59 & 60 |

| Date. | Name of ship. | APPROXIMATE POSITION. | |
|-----------------|----------------------|-----------------------|--------------------|
| | | Lat. °N. | Long. °E. |
| 6th July . . | s.s. Tanfield . . | 14 | 84 |
| 10th . . | s.s. Lichtenfels . . | 12 | 58 |
| 29th . . | s.s. Rotenfels . . | between 13 & 12 | between 57 & 59 |
| 17th August . . | s.s. Oxfordshire . . | 13.41 | 92.2 |





GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW, 1934

ANNUAL SUMMARY

PART D.

SEISMIC RECORDS.

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Published by Authority of the Government of India

UNDER THE DIRECTION OF

C. W. B. NORMAND, M.A., D.Sc.,

Director General of Observatories.

INDIA WEATHER REVIEW, 1934.

ANNUAL SUMMARY.

PART D.

SEISMIC RECORDS.

STATION—AGRA.

Lat. $27^{\circ} 8' 15''$ N. Long. $78^{\circ} 0' 45''$ E.

Height above m. s. l. 163 metres. Sub-soil:—Indo-Gangetic Alluvium.

- Instruments: (1) Milne-Shaw Seismograph, (magnetic damping), East-west-component (E) erected in underground room.
 (2) Omori-Ewing Horizontal Pendulum Seismograph, North-south-component (N) erected in underground room.

INSTRUMENTAL CONSTANTS.

| Component | Steady mass (Kg.) | T | Vm | E | S (m. m.) | Paper speed m. m./min. | Remarks |
|-----------|----------------------|------|------|-----|--------------|------------------------------|---------|
| 1 | E | 0.47 | 12 | 640 | 20.1 | 111 | 8 |
| | | " | " | 250 | " | 43.5 | " |
| 2 | N | 45 | 29.5 | 28 | 1 | ... | 12 |
| | | " | 18.0 | " | " | ... | " |
| | | " | 23.0 | " | " | ... | " |
| | | " | 32.5 | 29 | " | ... | " |

TABLE D1.

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | Kms. | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | Kms. | Remarks. |
|---------|--------|------------------|------------------|-------------------------|----------------|------|-----------------|---------|--------|------------------|------------------|-------------------------|----------------|------|----------|
| | | | | A _N | A _E | | | | | | | A _N | A _E | | |
| 1934. | AE | H. M. S. | | | | | | 1934. | AE | H. M. S. | | | | | |
| | | eP | 06 26 06 | ... | ... | 5790 | Moderate shock. | | | eS | 21 03 08 | ... | ... | ... | ... |
| | | IS | 06 33 35 | ... | ... | ... | | | | F | 21 51 01 | ... | ... | ... | ... |
| | | PS | 06 34 11 | ... | ... | ... | | | | | | | | | |
| | | SR ₁ | 06 38 22 | ... | ... | ... | | | | iP | 09 52 21 | ... | ... | ... | 6220 |
| | | eL | 06 42 37 | ... | ... | ... | | | | PR ₁ | 09 55 30 | ... | ... | ... | ... |
| | | Mn | 06 52 09 | 20 | 7 | ... | | | | S | 10 00 16 | ... | ... | ... | ... |
| | | F | 07 23 15 | ... | ... | ... | | | | PS | 10 00 50 | ... | ... | ... | ... |
| | | | | | | | | | | SR ₁ | 10 04 12 | ... | ... | ... | ... |
| | | | | | | | | | | SR ₂ | 10 06 05 | ... | ... | ... | ... |
| Jan. 1. | AE | | | | | | | | | F | 11 43 21 | ... | ... | ... | |
| | | e | 22 00 17 | ... | ... | ... | Slight shock. | | | | | | | | |
| | | Mn | 22 00 53 | 11 | 2 | ... | | | | | | | | | |
| | | F | 22 30 25 | ... | ... | ... | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Jan. 2. | AE | | | | | | | Jan. 3 | AN | | | | | | |
| | | P | 20 59 54 | ... | ... | 1910 | Do. | | | P | 09 52 21 | ... | ... | ... | 6220 |
| | | S | 21 03 12 | ... | ... | ... | | | | IS | 10 00 16 | ... | ... | ... | ... |
| | | F | 22 38 53 | ... | ... | ... | | | | F | 10 49 09 | ... | ... | ... | ... |
| Jan. 2. | AN | | | | | | | Jan. 10 | AE | | | | | | |
| | | e | 20 59 50 | ... | ... | ... | Do. | | | I | 18 32 27 | ... | ... | ... | ... |

D 2

TABLE D 1—*contd.*

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | | \triangle Kms. | Remarks. | |
|---------|--------|------------------|------------------|-------------------------|----------------|---------------------|---|---------|--------|------------------|------------------|-------------------------|----------------|---------------------|---------------------|----------|--|
| | | | | A _N | A _E | \triangle Kms. | | | | | | A _N | A _E | \triangle Kms. | | | |
| 1934. | AE | H. M. S. | | | | | | 1934. | AE | H. M. S. | | | | | | | |
| Jan. 11 | AE | | | | | | | Jan. 15 | e | 16 14 41 | | | | | | | |
| | eP | 10 33 49 | ... | ... | ... | 8555 | Slight shock. Beginning uncertain. | | F | 16 17 15 | | | | | | | Apparently after-shock of the Great Bihar Earthquake. |
| | iS | 10 43 41 | ... | ... | ... | ... | | Jan. 15 | e | 16 20 17 | | | | | | | Do. |
| | PS | 10 44 18 | ... | ... | ... | ... | | | F | 16 22 15 | | | | | | | |
| | SR | 10 48 47 | ... | ... | ... | ... | | Jan. 15 | e | 17 22 17 | | | | | | | Do. |
| | F | 11 43 41 | ... | ... | ... | ... | | | F | 17 26 57 | | | | | | | |
| Jan. 12 | AE | | | | | | | Jan. 15 | P | 18 04 21 | | | | | | | Do. |
| | P | 13 36 50 | ... | ... | ... | 2420 | Slight shock. | | S | 18 06 00 | | | | | | | Do. |
| | S | 13 40 51 | ... | ... | ... | ... | | Jan. 15 | e | 19 49 25 | | | | | | | Do. |
| | eF | 14 45 15 | ... | ... | ... | ... | | | F | 19 59 05 | | | | | | | |
| Jan. 12 | AN | | | | | | | Jan. 15 | iS | 20 27 35 | | | | | | | Do. |
| | eP | 13 36 55 | ... | ... | ... | 2420 | Do. | | S | 20 28 25 | | | | | | | |
| | S | 13 40 55 | ... | ... | ... | ... | | Jan. 15 | e | 20 31 29 | | | | | | | Do. |
| | F | 14 13 34 | ... | ... | ... | ... | | | iS | 20 33 13 | | | | | | | |
| Jan. 14 | AE | | | | | | | Jan. 15 | F | 20 40 05 | | | | | | | Do. |
| | e | 03 51 05 | ... | ... | ... | ... | | | | | | | | | | | |
| Jan. 14 | AE | | | | | | | Jan. 15 | iP | 21 08 51 | | | | | | | Do. |
| | i | 18 59 04 | ... | ... | ... | ... | | | S | 21 09 39 | | | | | | | |
| Jan. 14 | AE | | | | | | | Jan. 15 | iS | 21 34 49 | | | | | | | Do. |
| | e | 22 34 10 | ... | ... | ... | ... | Probably foreshock of the Great Bihar Earthquake. | | S | 21 35 44 | | | | | | | |
| | i | 22 34 51 | ... | ... | ... | ... | | | F | 21 40 34 | | | | | | | |
| Jan. 15 | AE | | | | | | | Jan. 15 | i | 22 23 15 | | | | | | | Do. |
| | i | 08 45 10 | ... | ... | ... | ... | The Great Bihar Shock. | | S | 22 24 39 | | | | | | | |
| Jan. 15 | AN | | | | | | | Jan. 15 | F | 22 26 23 | | | | | | | Do. |
| | e | 08 45 10 | ... | ... | ... | ... | Do. | | | | | | | | | | |
| | i | 08 46 10 | ... | ... | ... | ... | | Jan. 15 | e | 23 26 15 | | | | | | | Do. |
| Jan. 15 | AE | | | | | | | | F | 23 29 11 | | | | | | | |
| | e | 14 22 47 | ... | ... | ... | ... | Apparently after-shock of the Great Bihar Earthquake. | Jan. 16 | AE | | | | | | | | Do. |
| | F | 14 29 59 | ... | ... | ... | ... | | | e | 00 27 13 | | | | | | | |
| Jan. 15 | e | 14 54 34 | ... | ... | ... | ... | Do. | | i | 00 27 59 | | | | | | | |
| | P | 14 54 58 | ... | ... | ... | ... | | | F | 00 29 33 | | | | | | | |
| | iS | 14 55 43 | ... | ... | ... | ... | | Jan. 16 | e | 02 00 42 | | | | | | | Do. |
| | iS | 14 56 42 | ... | ... | ... | ... | | | F | 02 03 49 | | | | | | | |
| Jan. 15 | P | 15 03 27 | ... | ... | ... | ... | Do. | Jan. 16 | e | 03 00 50 | | | | | | | Do. |
| | iS | 15 04 57 | ... | ... | ... | ... | | | S | 03 02 01 | | | | | | | |
| | S | 15 05 57 | ... | ... | ... | ... | | | i | 03 02 57 | | | | | | | |
| Jan. 15 | AE | | | | | | | | F | 03 06 10 | | | | | | | |
| | S | 15 21 17 | ... | ... | ... | ... | Do. | Jan. 16 | S | 03 19 38 | | | | | | | Do. |
| | S | 15 22 11 | ... | ... | ... | ... | | | S | 03 20 29 | | | | | | | |
| | F | 15 24 15 | ... | ... | ... | ... | | | F | 03 23 01 | | | | | | | |
| Jan. 15 | e | 15 27 41 | ... | ... | ... | ... | Do. | Jan. 16 | i | 04 54 55 | | | | | | | Do. |
| | F | 15 31 15 | ... | ... | ... | ... | | | AE | | | | | | | | |
| Jan. 15 | P | 15 47 51 | ... | ... | ... | ... | Do. | Jan. 16 | i | 05 00 55 | | | | | | | After-shock of slight intensity of the Great Bihar Earthquake. |
| | S | 15 49 37 | ... | ... | ... | ... | | | AV | | | | | | | | |
| | F | 15 54 41 | ... | ... | ... | ... | | Jan. 16 | e | 05 01 05 | | | | | | | Do. |

TABLE D 1—*contd.*

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | | Δ Kms. | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | | Δ Kms. | Remarks. | |
|------------------|-----------------|------------------|------------------|-------------------------|----------------|------|------------------|----------|------------------|--------|------------------|------------------|-------------------------|----------------|------|---------------------|---|--|
| | | | | A _N | A _E | Kms. | | | | | | | A _N | A _E | Kms. | | | |
| 1934. Jan. 16 | AN | H. M. S. | | | | | | | 1934. Jan. 19 | | H. M. S. | | | | | | | |
| | P | 05 01 35 | ... | ... | ... | ... | | | | eS | 12 40 29 | ... | ... | ... | ... | | | |
| | iS | 05 02 15 | ... | ... | ... | ... | | | | AE | | | | | | | | |
| | S | 05 02 41 | ... | ... | ... | ... | | | | i | 18 51 37 | ... | ... | ... | ... | | Aftershock of slight-intensity of the Great Bihar Earthquake. | |
| | S | 05 03 03 | ... | ... | ... | ... | | | | F | 19 23 59 | ... | ... | ... | ... | | | |
| | Mn | 05 03 23? | ... | ... | ... | ... | | | | | | | | | | | | |
| Jan. 16 | F | 05 18 19 | ... | ... | ... | ... | | | Jan. 19 | AN | | | | | | | | |
| | | | | | | | | | | eP | 18 51 41 | ... | ... | ... | ... | | Do. | |
| | P | 18 48 29 | ... | ... | ... | 5400 | Slight shock. | | | eP | 18 52 26 | ... | ... | ... | ... | | | |
| | PR ₁ | 18 50 19 | ... | ... | ... | | | | | iS | 18 53 01 | ... | ... | ... | ... | | | |
| | PR ₂ | 18 51 09 | ... | ... | ... | | | | | S? | 18 53 56 | ... | ... | ... | ... | | | |
| | iS | 18 55 36 | ... | ... | ... | | | | | M | 18 54 24? | ... | ... | ... | ... | | | |
| | PS | 18 56 15 | ... | ... | ... | | | | | AE | | | | | | | | |
| | L? | 19 03 09 | ... | ... | ... | | | | | P | 18 02 05 | ... | ... | ... | 3090 | Moderate shock. | | |
| Jan. 16 | F | 19 45 02 | ... | ... | ... | | | | | iS | 18 06 55 | ... | ... | ... | ... | | | |
| | | | | | | | | | Jan. 20 | F | 19 25 18 | ... | ... | ... | ... | | | |
| | AE | | | | | | | | | AN | | | | | | | | |
| | e | 23 22 48 | ... | ... | ... | | Feeble shock. | | | e | 18 04 22 | ... | ... | ... | ... | | Do. | |
| Jan. 17 | F | 23 30 01 | ... | ... | ... | | | | Jan. 20 | F | 18 30 51 | ... | ... | ... | ... | | | |
| | c | 06 33 28 | ... | ... | ... | | | | | AE | | | | | | | | |
| | S | 06 34 29 | ... | ... | ... | | | | | e | 22 49 13 | ... | ... | ... | ... | Slight shock. | | |
| | iS | 06 35 16 | ... | ... | ... | | | | | M | 23 16 22 | ... | ... | ... | ... | | | |
| | F | 06 37 41 | ... | ... | ... | | | | | F | 23 46 16 | ... | ... | ... | ... | | | |
| Jan. 17 | AE | | | | | | | | Jan. 21 | AE | | | | | | | | |
| | S | 07 05 01 | ... | ... | ... | | | | | e | 06 53 01 | ... | ... | ... | 780 | Beginning uncertain | | |
| | S | 07 05 51 | ... | ... | ... | | | | | P | 06 53 40 | ... | ... | ... | ... | Slight shock. | | |
| | F | 07 08 29 | ... | ... | ... | | | | | S | 06 54 22 | ... | ... | ... | ... | | | |
| Jan. 17 | AE | | | | | | | | Jan. 21 | S | 06 55 11 | ... | ... | ... | ... | | | |
| | P | 18 37 19 | ... | ... | ... | | | | | AN | | | | | | | | |
| | S | 18 38 04 | ... | ... | ... | | | | | e | 06 53 46 | ... | ... | ... | ... | | Do. | |
| | S | 18 38 55 | ... | ... | ... | | | | | F | 19 51 30 | ... | ... | ... | ... | | | |
| Jan. 17 | F | 18 41 26 | ... | ... | ... | | | | Jan. 21 | F | 20 06 13 | ... | ... | ... | ... | | | |
| | AE | | | | | | | | | AE | | | | | | | | |
| | e | 19 30 17 | ... | ... | ... | | | | | e | 07 09 01 | ... | ... | ... | ... | | Do. | |
| | M | 19 33 34 | ... | ... | ... | | | | | AE | | | | | | | | |
| | Mn | 19 34 44? | 6 | ... | 1 | ... | | | | e | 19 51 30 | ... | ... | ... | ... | | Do. | |
| Jan. 17 | F | 19 42 19 | ... | ... | ... | | | | Jan. 22 | F | 20 06 13 | ... | ... | ... | ... | | | |
| | | | | | | | | | | AE | | | | | | | | |
| | | | | | | | | | | i | 08 13 15 | ... | ... | ... | ... | | | |
| Jan. 17 | AE | | | | | | | | Jan. 22 | F | 08 33 29 | ... | ... | ... | ... | | Do. | |
| | e | 20 47 19 | ... | ... | ... | | | | | | | | | | | | | |
| Jan. 18 | F | 20 50 27 | ... | ... | ... | | | | Jan. 23 | AE | | | | | | | | |
| | | | | | | | | | | e | 05 26 52 | ... | ... | ... | ... | | | |
| Jan. 18 | AE | | | | | | | | Jan. 23 | F | 05 31 05 | ... | ... | ... | ... | | Feeble shock. | |
| | e | 15 52 49 | ... | ... | ... | | | | | | | | | | | | | |
| Jan. 19 | F | 16 04 42 | ... | ... | ... | | | | Jan. 25 | AE | | | | | | | | |
| | | | | | | | | | | e | 12 40 09 | ... | ... | ... | ... | | | |
| Jan. 19 | AE | | | | | | | | Jan. 25 | F | 12 52 01 | ... | ... | ... | ... | | Slight shock. | |
| | iP | 12 37 19 | ... | ... | ... | 1865 | Slight shock. | | | | | | | | | | | |
| | S | 12 40 33 | ... | ... | ... | | | | | | | | | | | | | |
| Jan. 19 | F | 13 22 58 | ... | ... | ... | | | | Jan. 26 | AE | | | | | | | | |
| | | | | | | | | | | e | 00 00 53 | ... | ... | ... | ... | | Feeble shock. | |
| Jan. 19 | AN | | | | | | | | Jan. 26 | | | | | | | | | |
| | eP | 12 37 19 | ... | ... | ... | 1865 | Do. | | | | | | | | | | | |

D 4

TABLE D 1—*contd.*

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | Δ Kms. | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | Δ Kms. | Remarks. |
|------------------|--------|--------------------------|------------------|-------------------------|----------------|------------------|---|-----------------|------------|--------------------------|------------------|-------------------------|----------------|------------------|---|
| | | | | A _N | A _E | | | | | | | A _N | A _E | | |
| 1934. Jan. 26 | AE | H. M. S. | | | | | | 1934. Feb. 2 | AE | H. M. S. | | | | | |
| | | i 00 01 51 | ... | ... | ... | ... | | | | L 15 35 09 | ... | ... | ... | ... | |
| | | i 00 02 53 | ... | ... | ... | ... | | | | F 16 31 33 | ... | ... | ... | ... | |
| Jan. 28 | AE | F 00 08 22 | ... | ... | ... | ... | | Feb. 3 | AE | | | | | | |
| | | i 06 43 01 | ... | ... | ... | ... | Feeble shock. | | | P 14 45 08 | ... | ... | ... | 8345 | Slight shock. |
| | | F 06 51 03 | ... | ... | ... | ... | | | | PR ₁ 14 47 06 | ... | ... | ... | ... | |
| Jan. 28 | AE | S 15 54 32 | ... | ... | ... | ... | Do. | Feb. 3 | AE | S 14 54 52 | ... | ... | ... | ... | |
| | | S 15 55 32 | ... | ... | ... | ... | | | | PS 14 55 30 | ... | ... | ... | ... | |
| | | F 15 58 01 | ... | ... | ... | ... | | | | SR ₁ 15 00 01 | ... | ... | ... | ... | |
| Jan. 28 | AE | P* 19 28 58 | ... | ... | ... | 15550 | Moderate shock. | Feb. 4 | AN | eL 15 09 51 | ... | ... | ... | ... | |
| | | SePep 19 32 19 | ... | ... | ... | ... | | | | Mn 15 15 43 | ... | ... | ... | ... | |
| | | ScPcs 19 36 05 | ... | ... | ... | ... | | | | Mn 15 18 19 | 22 | ... | 6 | ... | |
| Jan. 28 | AN | PPS 19 44 18 | ... | ... | ... | ... | | Feb. 4 | AN | e 12 52 30 | ... | ... | ... | ... | Apparently after shock of Great Bihar Earthquake. |
| | | SR ₁ 19 50 01 | ... | ... | ... | ... | | | | F 13 13 22 | ... | ... | ... | ... | |
| | | Mn 20 25 04 | 27 | ... | 42 | ... | | | | P 13 32 22 | ... | ... | ... | 2590 | Moderate shock. |
| Jan. 28 | AN | F 21 55 27 | ... | ... | ... | ... | | Feb. 4 | AN | S 13 36 35 | ... | ... | ... | ... | |
| | | e 19 32 05 | ... | ... | ... | ... | | | | F 14 39 41 | ... | ... | ... | ... | |
| | | F 20 53 03 | ... | ... | ... | ... | | | | Feb. 7 AE | e 16 14 17 | ... | ... | ... | Slight shock. |
| Jan. 29 | AE | e 00 06 07 | ... | ... | ... | ... | Feeble shock. | Feb. 7 | AE | S 16 18 30 | ... | ... | ... | ... | |
| | | S 00 06 57 | ... | ... | ... | ... | | | | Mn 16 25 29 | 10 | ... | 1 | ... | |
| | | AE | | | | | | | | F 16 38 43 | ... | ... | ... | ... | |
| Jan. 29 | AE | IS 00 07 59 | ... | ... | ... | ... | | Feb. 8 | AE | e 14 41 52 | ... | ... | ... | ... | Apparently after shock of the Great Bihar Earthquake. |
| | | F 00 10 26 | ... | ... | ... | ... | | | | P 14 42 17 | ... | ... | ... | ... | |
| | | e 12 52 11 | ... | ... | ... | ... | Slight shock. | | | S 14 43 07 | ... | ... | ... | ... | |
| Jan. 29 | AE | F 13 31 46 | ... | ... | ... | ... | Feb. 8 | AE | S 14 44 02 | ... | ... | ... | ... | | |
| | | e 20 46 23 | ... | ... | ... | ... | | | F 14 51 42 | ... | ... | ... | ... | | |
| | | F 22 18 03 | ... | ... | ... | ... | | | Feb. 9 AE | e 06 23 34 | ... | ... | ... | Slight shock. | |
| Feb. 1 | AE | e 11 53 20 | ... | ... | ... | ... | Feeble shock. | Feb. 9 | AE | eP 09 40 45 | ... | ... | ... | 8820 | Do. |
| | | i 11 53 32 | ... | ... | ... | ... | | | | PR ₁ 09 43 30 | ... | ... | ... | ... | |
| | | F 11 56 12 | ... | ... | ... | ... | | | | PR ₂ 09 45 00 | ... | ... | ... | ... | |
| Feb. 2 | AE | S 12 20 09 | ... | ... | ... | ... | Apparently after-shock of Great Bihar Earthquake. | Feb. 9 | AE | S 09 50 26 | ... | ... | ... | ... | |
| | | S 12 21 01 | ... | ... | ... | ... | | | | PS 09 51 05 | ... | ... | ... | ... | |
| | | F 12 22 36 | ... | ... | ... | ... | | | | SR ₁ 09 55 29 | ... | ... | ... | ... | |
| Feb. 2 | AE | P 15 15 44 | ... | ... | ... | 6790 | Slight shock. | Feb. 9 | AE | eL 10 04 55 | ... | ... | ... | ... | |
| | | S 15 24 10 | ... | ... | ... | ... | | | | F 11 15 34 | ... | ... | ... | ... | |
| | | PS 15 24 39 | ... | ... | ... | ... | | | | e 11 30 55 | ... | ... | ... | ... | |
| | | SR ₁ 15 28 29 | ... | ... | ... | ... | | | | F 12 57 29 | ... | ... | ... | ... | |
| | | SR ₂ 15 30 30 | ... | ... | ... | ... | | | | e 22 48 53 | ... | ... | ... | ... | Slight shock. |
| | | | | | | | | | | F 23 19 28 | ... | ... | ... | ... | |

TABLE D 1—*contd.*

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | Kms. | Remarks. | Date | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | Kms. | Remarks. | |
|------------------|-----------------|------------------|------------------|-------------------------|-----|------|--|------------------|-----------------|------------------|------------------|-------------------------|------|------|--|--|
| | | | | A _N | A | | | | | | | A _E | Kms. | | | |
| 1934. Feb. 10 | AE | H. M. S. | | | | | | 1934. Feb. 13 | AE | H. M. S. | | | | | | |
| | P | 04 47 02 | ... | ... | ... | ... | Aftershock of the Great Bihar Earthquake. | | e | 10 02 30 | ... | ... | ... | ... | Feeble shock. | |
| | S | 04 48 31 | ... | ... | ... | ... | | | F | 10 45 41 | ... | ... | ... | ... | — | |
| | S | 04 49 23 | ... | ... | ... | ... | | | i | 20 36 14 | ... | ... | ... | ... | Do. | |
| Feb. 10 | F | 05 06 46 | ... | ... | ... | ... | Slight shock. | | c | 20 40 40 | ... | ... | ... | ... | Do. | |
| | AE | | | | | | | | F | 21 31 33 | ... | ... | ... | ... | | |
| | e | 22 18 59 | ... | ... | ... | ... | | | | | | | | | | |
| Feb. 10 | Mn | 22 37 04 | 14 | ... | 2 | ... | Apparently aftershock of the Great Bihar Earthquake. | Feb. 14 | AE | | | | | | | |
| | AE | . | | | | | | | iP | 01 30 36 | ... | ... | ... | 5810 | Slight shock. | |
| | e | 22 57 41 | ... | ... | ... | ... | | | PR ₁ | 01 33 25 | ... | ... | ... | ... | | |
| | S | 22 58 23 | ... | ... | ... | ... | | | S | 01 38 08 | ... | ... | ... | ... | | |
| | S | 22 59 09 | ... | ... | ... | ... | | | SR ₁ | 01 41 42 | ... | ... | ... | ... | | |
| Feb. 11 | F | 23 22 05 | ... | ... | ... | ... | Near slight shock. | Feb. 14 | SR ₂ | 01 43 15 | ... | ... | ... | ... | | |
| | AE | | | | | | | | eL | 01 46 52 | ... | ... | ... | ... | | |
| | e | 04 29 46 | ... | ... | ... | ... | | | | | | | | | | |
| | i | 04 30 07 | ... | ... | ... | ... | | | | | | | | | | |
| Feb. 11 | F | 04 31 44 | ... | ... | ... | ... | Shock of great intensity. | Feb. 14 | AE | | | | | | | |
| | AE | | | | | | | | iP | 04 07 10 | ... | ... | ... | ... | | |
| | P | 09 11 36 | ... | ... | ... | 8935 | | | F | 09 24 27 | ... | ... | ... | ... | | |
| | S | 09 21 48 | ... | ... | ... | ... | | | | | | | | | Do. | |
| | SR ₁ | 09 27 07 | ... | ... | ... | ... | | | | | | | | | | |
| | SR ₂ | 09 30 30 | ... | ... | ... | ... | | | | | | | | | | |
| Feb. 11 | eL | 09 37 56 | ... | ... | ... | ... | Motion of recording pen restricted due to side-stops on both sides for about three minutes. Feeble shock. | Feb. 14 | L | 04 18 41 | ... | ... | ... | ... | ... | |
| | AN | | | | | | | | Mn | ? | 11 | > | ... | ... | | |
| | e | 09 12 06 | ... | ... | ... | ... | | | | | | 1277 | | | | |
| | | | | | | | | | | | | | | | | |
| Feb. 11 | AE | | | | | | Do. | Feb. 14 | AE | | | | | | | |
| | eP | 14 55 10 | ... | ... | ... | ... | | | e | 11 15 34 | ... | ... | ... | ... | | |
| | iS | 14 55 47 | ... | ... | ... | ... | | | F | 12 01 03 | ... | ... | ... | ... | | |
| | i(S) | 14 56 30 | ... | ... | ... | ... | | | | | | | | | | |
| | F | 15 04 59 | ... | ... | ... | ... | | | | | | | | | | |
| Feb. 11 | AN | | | | | | Do. | Feb. 14 | AE | | | | | | | |
| | e | 14 56 26 | ... | ... | ... | ... | | | P | 17 22 13 | ... | ... | ... | 4110 | Slight shock. | |
| | F | 15 01 04 | ... | ... | ... | ... | | | PR ₁ | 17 23 51 | ... | ... | ... | ... | | |
| Feb. 12 | AE | | | | | | Do. | Feb. 14 | S | 17 28 06 | ... | ... | ... | ... | | |
| | e | 03 58 12 | ... | ... | ... | ... | | | SR ₁ | 17 31 01 | ... | ... | ... | ... | | |
| | S | 03 58 30 | ... | ... | ... | ... | | | L ? | 17 33 11 | ... | ... | ... | ... | | |
| | iS | 03 59 27 | ... | ... | ... | ... | | | Mn | 17 41 05 | 13 | ... | 10 | ... | | |
| Feb. 12 | F | 04 12 33 | ... | ... | ... | ... | | | F | 18 45 17 | ... | ... | ... | ... | | |
| | AN | | | | | | Feeble shock. | Feb. 14 | | | | | | | | |
| | e | 03 59 28 | ... | ... | ... | ... | | | | | | | | | | |
| | F | 04 07 08 | ... | ... | ... | ... | | | | | | | | | | |
| Feb. 12 | AE | | | | | | Do. | Feb. 14 | AE | | | | | | | |
| | eP | 11 35 50 | ... | ... | ... | ... | | | e | 23 30 01 | ... | ... | ... | ... | Slight shock. | |
| | F | 11 40 01? | ... | ... | ... | ... | | | F | 23 58 20 | ... | ... | ... | ... | | |
| Feb. 12 | AN | | | | | | Do. | Feb. 15 | AE | | | | | | | |
| | eP | 11 35 54 | ... | ... | ... | ... | | | e | 03 31 46 | ... | ... | ... | ... | Do. 1 | |
| | S | 11 40 05 | ... | ... | ... | ... | | | F | 04 09 36 | ... | ... | ... | ... | | |
| Feb. 12 | AN | | | | | | Do. | Feb. 17 | AE | | | | | | | |
| | eP | 11 35 54 | ... | ... | ... | ... | | | eP | 02 53 14 | ... | ... | ... | ... | Apparently aftershock of the Great Bihar Earthquake. | |

D 6

TABLE D1—*contd.*

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ .) | | | Δ Kms. | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ .) | | | Δ Kms. | Remarks. |
|------------------|-----------------|------------------|------------------|-------------------------|----------------|------|------------------|----------|------------------|-----------------|------------------|------------------|-------------------------|----------------|-------|---------------------------|---------------|
| | | | | A _N | A _E | Kms. | | | | | | | A _N | A _E | Kms. | | |
| 1934. Feb. 17 | AE | H. M. S. | | | | | | | 1934. Feb. 27 | AE | H. M. S. | | | | | | |
| | S | 02 53 59 | ... | ... | ... | ... | | | | e | 21 41 38 | ... | ... | ... | ... | ... | Slight shock. |
| | S* | 02 54 27 | ... | ... | ... | ... | | | | i | 21 51 19 | ... | ... | ... | ... | ... | |
| | S | 02 54 52 | ... | ... | ... | ... | | | | F | 22 28 35 | ... | ... | ... | ... | ... | |
| | F | 03 02 39 | ... | ... | ... | ... | | | Feb. 28 | AE | | | | | | | |
| Feb. 17 | AN | | | | | | | | | eP | 14 33 20 | ... | ... | ... | 9280 | Moderate shock. | |
| | c | 02 54 07 | ... | ... | ... | ... | | | | PR ₁ | 14 36 30 | ... | ... | ... | | | |
| | | 02 54 52 | ... | ... | ... | ... | | | | PR ₂ | 14 38 15 | ... | ... | ... | | | |
| | F | 02 58 37 | ... | ... | ... | ... | | | | IS | 14 43 43 | ... | ... | ... | | | |
| Feb. 17 | AE | | | | | | | | | PS | 14 44 22 | ... | ... | ... | | | |
| | e | 21 11 57 | ... | ... | ... | ... | | | | SR ₁ | 14 49 06 | ... | ... | ... | | | |
| | F | 22 02 57 | ... | ... | ... | ... | | | | SR ₂ | 14 52 27 | ... | ... | ... | | | |
| Feb. 18 | AE | | | | | | | | | L | 15 00 15 | ... | ... | ... | | | |
| | e | 13 03 51 | ... | ... | ... | ... | | | | M | 15 06 48 | ... | ... | ... | | | |
| | S? | 13 04 27 | ... | ... | ... | ... | | | | Mn | 15 15 12 | 11 | ... | 27 | | | |
| | S? | 13 05 27 | ... | ... | ... | ... | | | | F | 18 18 03 | ... | ... | ... | | | |
| | F | 13 13 23 | ... | ... | ... | ... | | | Feb. 28 | AE | | | | | | | |
| Feb. 18 | AN | | | | | | | | | e | 22 28 05 | ... | ... | ... | | | |
| | e | 13 04 00 | ... | ... | ... | ... | | | | F | 23 18 16 | ... | ... | ... | | | |
| | S | 13 05 27 | ... | ... | ... | ... | | | | | | | | | | | |
| | F | 13 09 03 | ... | ... | ... | ... | | | Mar. 3 | AE | | | | | | | |
| Feb. 19 | AE | | | | | | | | | e | 16 15 45 | ... | ... | ... | | | |
| | P | 10 31 51 | ... | ... | ... | ... | 3945 | | | i | 06 18 47 | ... | ... | ... | | | |
| | PR ₁ | 10 33 23 | ... | ... | ... | ... | | | | F | 07 37 27 | ... | ... | ... | | | |
| | S | 10 37 35 | ... | ... | ... | ... | | | Mar. 4 | AE | | | | | | | |
| | SR ₁ | 10 40 03 | ... | ... | ... | ... | | | | i | 11 36 55 | ... | ... | ... | | | |
| | Mn | 10 51 29 | 14 | ... | 11 | ... | | | | Mn | 11 55 14 | 20 | ... | 16 | | | |
| | F | 12 33 30 | ... | ... | ... | ... | | | | F | 12 43 47 | ... | ... | ... | | | |
| Feb. 20 | AE | | | | | | | | Mar. 5 | AE | | | | | | | |
| | e | 04 33 25 | ... | ... | ... | ... | | | | e? | 12 00 41 | ... | ... | ... | 12235 | | |
| | F | 05 27 56 | ... | ... | ... | ... | | | | PR ₂ | 12 07 27 | ... | ... | ... | | Shock of great intensity. | |
| Feb. 20 | AE | | | | | | | | | ScPcs | 12 11 01 | ... | ... | ... | | | |
| | e | 20 11 34 | ... | ... | ... | ... | | | | ScPcPcs | 12 11 57 | ... | ... | ... | | | |
| Feb. 20 | F | 20 33 52 | ... | ... | ... | ... | | | | S | 12 12 41 | ... | ... | ... | | | |
| Feb. 21 | AE | | | | | | | | | PS | 12 14 17 | ... | ... | ... | | | |
| | e | 11 45 34 | ... | ... | ... | ... | | | | iPPS | 12 15 17 | ... | ... | ... | | | |
| | F | 12 26 35 | ... | ... | ... | ... | | | | SR ₁ | 12 20 33 | ... | ... | ... | | | |
| Feb. 22 | AE | | | | | | | | | L | 12 38 15 | ... | ... | ... | | | |
| | e | 08 12 13? | ... | ... | ... | ... | | | | Mn | 12 52 37? | ... | ... | ... | | | |
| | S | 08 18 19? | ... | ... | ... | ... | | | | F | 16 35 30 | ... | ... | ... | | | |
| | SR ₁ | 08 20 58? | ... | ... | ... | ... | | | Mar. 5 | AN | | | | | | | |
| | SR ₂ | 08 21 44? | ... | ... | ... | ... | | | | e | 12 11 14 | ... | ... | ... | | | |
| | L | 08 24 05? | ... | ... | ... | ... | | | | Mn | 12 51 23 | 22 | 865 | ... | | | |
| Feb. 26 | AE | | | | | | | | Mar. 6 | AE | | | | | | | |
| | e | 14 51 21 | ... | ... | ... | ... | | | | 1 | 15 02 33 | ... | ... | ... | | | |
| | F | 15 35 43 | ... | ... | ... | ... | | | | F | 15 56 17 | ... | ... | ... | | Slight shock. | |

TABLE D 1—*contd.*

TABLE D 1—*contd.*

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | Δ Kms. | Remarks | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | Δ Kms. | Remarks. |
|-----------------|-----------|------------------|------------------|-------------------------|----------------|------------------|---|---------|-----------------|------------------|------------------|-------------------------|----------------|------------------|--------------------------|
| | | | | A _N | A _E | | | | | | | A _N | A _E | | |
| 1934. | AN | H. M. S. | | | | | | 1934. | | H. M. S. | | | | | |
| Apr. 8 | AE | | | | | | | Apr. 12 | AE | | | | | | |
| e | 20 54 14 | ... | ... | ... | ... | | Slight shock. Apparently an aftershock of the Great Bihar Earthquake. | | P | 09 14 35 | ... | ... | ... | 2045 | Moderate shock. |
| e | 20 55 07 | ... | ... | ... | ... | | | | PR ₁ | 09 14 56 | ... | ... | ... | | |
| i | 20 55 55 | ... | ... | ... | ... | | | | S | 09 18 04 | ... | ... | ... | | |
| F | 21 03 04 | ... | ... | ... | ... | | | | SR ₁ | 09 18 45 | ... | ... | ... | | |
| Apr. 8 | AN | | | | | | Do. | | Mn | 09 23 19 | 12 | ... | 15 | | |
| e | 20 55 35 | ... | ... | ... | ... | | | | F | 10 10 35 | ... | ... | ... | | |
| Apr. 8 | F | 20 57 36 | ... | ... | ... | | | Apr. 12 | AN | | | | | | |
| Apr. 9 | AE | | | | | | | | e | 09 17 53 | ... | ... | ... | | Do. |
| e | 15 56 25 | ... | ... | ... | ... | | Distant slight shock. | | F | 09 52 48 | ... | ... | ... | | |
| F | 17 48 23 | ... | ... | ... | ... | | | Apr. 13 | AE | | | | | | Tremors. |
| Apr. 9 | AE | | | | | | | | e | 19 53 28 | ... | ... | ... | | |
| iP | 10 31 52 | ... | ... | ... | 5420 | Moderate shock. | | | F | 20 10 07 | ... | ... | ... | | |
| PR ₁ | 10 33 45 | ... | ... | ... | | | | Apr. 13 | AE | | | | | | |
| PR ₂ | 10 34 29 | ... | ... | ... | | | | | P | 23 05 55 | ... | ... | ... | | |
| S | 10 39 01 | ... | ... | ... | | | | | S | 23 06 42 | ... | ... | ... | | |
| PS | 10 39 39 | ... | ... | ... | | | | | S | 23 07 34 | ... | ... | ... | | |
| SR | 10 42 34 | ... | ... | ... | | | | | F | 23 13 56 | ... | ... | ... | | |
| eL | 10 47 23 | ... | ... | ... | | | | Apr. 14 | AE | | | | | | |
| Mn | 10 55 27 | 17 | ... | 30 | | | Do. | | I | 01 31 55 | ... | ... | ... | | Slight shock, nea- |
| F | 12 13 38 | ... | ... | ... | | | | | F | 01 50 44 | ... | ... | ... | | |
| Apr. 9 | AN | | | | | | | Apr. 14 | AN | | | | | | Do. |
| e | 10 31 37 | ... | ... | ... | | | | | e | 01 32 07 | ... | ... | ... | | |
| Mn | 10 55 05 | 17 | 26 | ... | | | | | F | 01 39 29 | ... | ... | ... | | |
| F | 12 06 08 | ... | ... | ... | | | | Apr. 15 | AE | | | | | | |
| Apr. 11 | AE | | | | | | | | e | 10 42 31 | ... | ... | ... | | Slight shock. |
| e | 10 11 35 | ... | ... | ... | | | | | F | 11 29 15 | ... | ... | ... | | |
| F | 10 22 46 | ... | ... | ... | | | | Apr. 15 | AE | | | | | | |
| Apr. 11 | AE | | | | | | | | P | 22 24 12 | ... | ... | ... | 5445 | Shock of great intensity |
| E | 21 25 56 | ... | ... | ... | | | | | PR ₁ | 22 26 07 | ... | ... | ... | | |
| PR ₁ | 21 29 33 | ... | ... | ... | | | | | PR ₂ | 22 27 02 | ... | ... | ... | | |
| PR ₂ | 21 31 29 | ... | ... | ... | | | | | S | 22 31 21 | ... | ... | ... | | |
| ScPcs | 21 35 42 | ... | ... | ... | | | | | SR ₁ | 22 34 49 | ... | ... | ... | | |
| PPS | 21 38 23 | ... | ... | ... | | | | | SR ₂ | 22 36 12 | ... | ... | ... | | |
| SR ₁ | 21 43 26 | ... | ... | ... | | | | | L | 22 39 00 | ... | ... | ... | | |
| SR ₂ | 21 47 16 | ... | ... | ... | | | | | M | 22 43 39 | ... | ... | ... | | |
| F | 22 49 20 | ... | ... | ... | | | | Apr. 16 | F | 02 23 07 | ... | ... | ... | | |
| Apr. 11 | AN | | | | | | | | Apr. 15 | AN | | | | | |
| e | 21 35 51 | ... | ... | ... | | | | | e | 22 24 27 | ... | ... | ... | | |
| F | 22 38 03 | ... | ... | ... | | | | | i | 22 31 39 | ... | ... | ... | | |
| Apr. 12 | AE | | | | | | | | Mn | 22 46 10 | 26 | 292 | | | |
| e | 03 28 02 | ... | ... | ... | | | | | Apr. 16 | AE | | | | | |
| e | 03 34 01 | ... | ... | ... | | | | | e | 04 08 27 | ... | ... | ... | 5280 | Slight shock. |
| F | 04 11 47 | ... | ... | ... | | | | | PR ₁ | 04 10 07 | ... | ... | ... | | |
| Apr. 12 | AN | | | | | | | | PR ₂ | 04 10 53 | ... | ... | ... | | |
| e | 03 35 30? | ... | ... | ... | | | | | S | 04 15 21 | ... | ... | ... | | |
| F | 04 07 57? | ... | ... | ... | | | | | SR ₁ | 04 18 42 | ... | ... | ... | | |
| | | | | | | | | | SR ₂ | 04 19 55 | ... | ... | ... | | |

TABLE D 1—*contd.*

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | Δ Kms. | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | Δ Kms. | Remarks. |
|---------|------------------|--------------------------------|------------------|-------------------------|----------------|------------------|---------------|---------|-----------------|------------------|------------------|-------------------------|----------------|------------------|----------------------------|
| | | | | A _N | A _E | | | | | | | A _N | A _E | | |
| 1934. | | H. M. S. | | | | | | 1934. | | H. M. S. | | | | | |
| Apr. 16 | AE | | | | | | | Apr. 27 | AE | | | | | | |
| | e | 12 49 30 | ... | ... | ... | ... | Slight shock. | | e | 09 34 01 | ... | ... | ... | ... | Slight shock. |
| | F | 14 35 46 | ... | ... | ... | ... | | Apr. 27 | AE | | | | | | |
| Apr. 19 | AE | | | | | | | | e | 21 05 08 | ... | ... | ... | ... | Distant shock. |
| | e | 16 22 05 | ... | ... | ... | ... | Do. | | i | 21 11 41 | ... | ... | ... | ... | moderate |
| Apr. 19 | AE | | | | | | | Apr. 28 | AE | | | | | | |
| | i | 16 29 01 | ... | ... | ... | ... | | | e | 15 19 57 | ... | ... | ... | ... | Slight shock. |
| | F | 17 00 44 | ... | ... | ... | ... | | | i | 15 30 41 | ... | ... | ... | ... | |
| Apr. 19 | AE | | | | | | | | F | 16 30 44 | ... | ... | ... | ... | |
| Apr. 19 | eP | 23 30 07 | ... | ... | ... | ... | | Apr. 28 | AE | | | | | | |
| | S (?) | 23 33 29 | ... | ... | ... | ... | | | e | 18 22 25 | ... | ... | ... | ... | Do. |
| | L (?) | 23 34 53 | ... | ... | ... | ... | | | F | 19 02 09 | ... | ... | ... | ... | |
| | M (?) | 23 36 33 | ... | ... | ... | ... | | Apr. 30 | AE | | | | | | |
| | F | Masked by the following shock. | | | | | | | e | 12 30 11 | ... | ... | ... | ... | Slight shock, not distant. |
| Apr. 19 | AE | | | | | | | | F | 12 39 29 | ... | ... | ... | ... | |
| | e | 23 45 17 | ... | ... | ... | ... | | | | | | | | | |
| | S? | 23 46 57 | ... | ... | ... | ... | | May 1 | AE | | | | | | |
| | F | 23 55 23 | ... | ... | ... | ... | | | P | 03 42 55 | ... | ... | ... | 890 | Slight shock. |
| Apr. 19 | AN | | | | | | | | P | 03 43 49 | ... | ... | ... | ... | |
| | e | 23 33 31 | ... | ... | ... | ... | | | S | 03 44 30 | ... | ... | ... | ... | |
| | F | Masked by the following shock. | | | | | | | F | 04 57 10 | ... | ... | ... | ... | |
| Apr. 19 | AN | | | | | | | May 1 | AN | | | | | | |
| | e | 23 46 19 | ... | ... | ... | ... | | | e | 03 43 19 | ... | ... | ... | 890 | Do. |
| | eS? | 23 46 55 | ... | ... | ... | ... | | | eS | 03 44 30 | ... | ... | ... | ... | |
| | F | 23 49 43 | ... | ... | ... | ... | | | S* | 03 45 00 | ... | ... | ... | ... | |
| Apr. 24 | AE | | | | | | | | S- | 03 45 34 | ... | ... | ... | ... | |
| | e | 18 55 33 | ... | ... | ... | ... | | | F | 04 22 22 | ... | ... | ... | ... | |
| | F | 20 04 19 | ... | ... | ... | ... | | May 1 | AE | | | | | | |
| | | | | | | | | | P | 07 10 50 | ... | ... | ... | 2445 | Do. |
| Apr. 25 | AE | | | | | | | | eS | 07 14 51 | ... | ... | ... | ... | |
| | e | 05 20 11 | ... | ... | ... | ... | | | SR ₁ | 07 15 39 | ... | ... | ... | ... | |
| | F | 05 30 12 | ... | ... | ... | ... | | | L | 07 16 48 | ... | ... | ... | ... | |
| Apr. 26 | AE | | | | | | | | F | 09 04 44 | ... | ... | ... | ... | |
| | e | 05 55 25 | ... | ... | ... | ... | | | | | | | | | Do. |
| Apr. 26 | AE | | | | | | | | AN | | | | | | |
| | e | 08 21 33 | ... | ... | ... | ... | | | e | 07 11 27 | ... | ... | ... | ... | |
| | F | 09 50 02 | ... | ... | ... | ... | | | F | 07 58 21 | ... | ... | ... | ... | |
| Apr. 26 | AE | | | | | | | May 3 | AE | | | | | | |
| | eP | 13 48 35 | ... | ... | ... | ... | | | P | 01 40 45 | ... | ... | ... | 6110 | Do. |
| | ePR ₁ | 13 50 23 | ... | ... | ... | ... | | | S | 01 48 30 | ... | ... | ... | ... | |
| | PR ₁ | 13 51 09 | ... | ... | ... | ... | | | Mn | 02 09 05 | 19 | 8 | ... | ... | |
| | IS | 13 55 35 | ... | ... | ... | ... | | | F | 03 20 31 | ... | ... | ... | ... | |
| | SR ₁ | 13 58 47 | ... | ... | ... | ... | | May 4 | AE | | | | | | |
| | L | 14 02 49 | ... | ... | ... | ... | | | P | 04 48 40 | ... | ... | ... | 019 | Shock of great intensity. |
| | F | 14 56 00 | ... | ... | ... | ... | | | PR ₁ | 04 53 45 | ... | ... | ... | ... | |
| Apr. 26 | AE | | | | | | | | IS | 04 58 59 | ... | ... | ... | ... | |
| | e | 21 17 29 | ... | ... | ... | ... | | | PS | 04 59 51 | ... | ... | ... | ... | |
| | i | 21 24 21 | ... | ... | ... | ... | | | SR ₁ | 05 04 37 | ... | ... | ... | ... | |
| | F | 23 44 56 | ... | ... | ... | ... | | | | | | | | | |

TABLE D 1--*contd.*

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | Δ Kms. | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | Δ Kms. | Remarks. |
|--------|-----------------|------------------|------------------|-------------------------|----------------|------------------|---------------------------|--------|-----------------|------------------|------------------|-------------------------|----------------|------------------|-----------------|
| | | | | A _N | A _E | | | | | | | A _N | A _E | | |
| 1934. | | H. M. S. | | | | | | 1934. | | H. M. S. | | | | | |
| May 4 | AE | 95 08 23 | ... | ... | ... | ... | | May 12 | AE | 21 31 08 | ... | ... | ... | ... | |
| | SR ₂ | 05 16 10 | ... | ... | ... | ... | | | F | 09 14 09 | ... | ... | ... | ... | |
| | eL | 05 26 01 | 27 | ... | 172 | ... | | May 13 | AE | 09 17 07 | ... | ... | ... | ... | |
| | Mn | 08 53 33 | ... | ... | ... | ... | Shock of great intensity. | | IP | 09 18 49 | ... | ... | ... | ... | |
| May 4 | AN | 04 48 40 | ... | ... | ... | 9100 | | | PR ₁ | 09 24 03 | ... | ... | ... | ... | |
| | P | 04 58 59 | ... | ... | ... | ... | Slight shock. | | PR ₂ | 09 24 41 | ... | ... | ... | ... | |
| | S | 05 29 25 | 24 | 182 | ... | ... | | | PS | 09 29 13 | ... | ... | ... | ... | |
| May 4 | AE | 02 28 59 | ... | ... | ... | ... | | | SR ₁ | 09 32 21 | ... | ... | ... | ... | |
| | e | 02 53 00 | ... | ... | ... | ... | | | L | 09 39 23 | ... | ... | ... | ... | |
| May 4 | AE | 14 51 57 | ... | ... | ... | ... | Do. | | M | 09 45 37 | ... | ... | ... | ... | |
| | e | 16 18 09 | ... | ... | ... | ... | | May 13 | F | 11 51 02 | ... | ... | ... | ... | |
| May 4 | AE | 16 59 58 | ... | ... | ... | ... | Feeble shock. | | AE | 17 12 12 | ... | ... | ... | ... | |
| | F | 17 27 09 | ... | ... | ... | ... | | | F | 17 55 03 | ... | ... | ... | ... | |
| May 6 | AE | 06 42 29 | ... | ... | ... | ... | | May 22 | AE | 01 27 17 | ... | ... | ... | 2745 | Do. |
| | e | 06 53 45 | ... | ... | ... | ... | | | PR ₁ | 01 27 47 | ... | ... | ... | ... | |
| May 6 | AE | 08 44 59 | ... | ... | ... | ... | | | IS | 01 31 42 | ... | ... | ... | ... | |
| | F | 09 55 09 | ... | ... | ... | ... | | | SR ₁ | 01 32 47 | ... | ... | ... | ... | |
| May 7 | AE | 02 05 42 | ... | ... | ... | ... | Do. | May 22 | AE | 01 34 19 | ... | ... | ... | ... | |
| | e | 02 58 03 | ... | ... | ... | ... | | | L | 01 43 07 | 15 | ... | 14 | ... | |
| May 7 | AE | 04 15 29 | ... | ... | ... | ... | Slight shock. | May 22 | Mn | 01 27 34 | ... | ... | ... | ... | Do. |
| | F | 05 19 41 | ... | ... | ... | ... | | | F | 02 40 32 | ... | ... | ... | ... | |
| May 9 | AE | 16 23 55 | ... | ... | ... | ... | Do. | May 22 | AE | 11 29 21 | ... | ... | ... | ... | Do. |
| | e | 16 52 51 | 15 | ... | 5 | ... | | | F | 12 28 51 | ... | ... | ... | ... | |
| May 9 | AE | 17 43 43 | ... | ... | ... | ... | | May 27 | AE | 13 39 45 | ... | ... | ... | ... | Do. |
| | Mn | 19 00 55 | ... | ... | ... | ... | | | Mn | 13 46 57 | 13 | ... | 8 | ... | |
| May 9 | AE | 19 26 55 | ... | ... | ... | ... | | | F | 14 42 56 | ... | ... | ... | ... | |
| May 11 | AE | 18 33 37 | ... | ... | ... | ... | Do. | May 30 | AE | 23 12 53 | ... | ... | ... | ... | Do. |
| | e | 19 13 20 | ... | ... | ... | ... | | | F | 23 47 25 | ... | ... | ... | ... | |
| May 12 | AE | 10 52 00 | ... | ... | ... | ... | Feeble shock. | June 1 | AE | 19 26 45 | ... | ... | ... | 890 | Do. |
| | F | 11 41 10 | ... | ... | ... | ... | | | S | 19 27 31 | ... | ... | ... | ... | |
| May 12 | AE | 20 37 18 | ... | ... | ... | ... | Slight shock. | | S* | 19 27 55 | ... | ... | ... | ... | |
| | e | | | | | | | | S' | 19 28 23 | ... | ... | ... | ... | |
| | | | | | | | | | F | 19 35 32 | ... | ... | ... | ... | |
| | | | | | | | | June 2 | AE | 05 58 04 | ... | ... | ... | 1520 | Moderate shock. |
| | | | | | | | | | P | 06 00 46 | ... | ... | ... | ... | |
| | | | | | | | | | S | 06 44 35 | ... | ... | ... | ... | |
| | | | | | | | | | F | | | | | | |

TABLE D 1—contd.

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | | Kms. | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | | Kms. | Remarks. |
|---------|--------|------------------|------------------|-------------------------|----------------|-----|------|--------------------|-----------------|-----------------|------------------|------------------|-------------------------|----------------|-------|-------------------------|----------|
| | | | | A _N | A _E | △ | | | | | | | A _N | A _E | △ | | |
| 1934. | | H. M. S. | | | | | | | 1934. | | H. M. S. | | | | | | |
| June 2 | AN | e | 05 58 06 | ... | ... | ... | | Moderate shock. | June 13 | AE | PR ₁ | 02 02 46 | ... | ... | ... | ... | ... |
| | | S | 06 00 46 | ... | ... | ... | | | | PR ₂ | 02 03 44 | ... | ... | ... | ... | ... | |
| June 2 | AE | e | 14 02 21 | ... | ... | ... | | Slight shock. | | IS | 02 08 27 | ... | ... | ... | ... | ... | |
| | | F | 15 19 38 | ... | ... | ... | | | PS | 02 09 05 | ... | ... | ... | ... | ... | ... | |
| June 3 | AE | i | 16 39 19 | ... | ... | ... | | Very feeble shock. | June 13 | AN | SR ₁ | 02 13 57 | ... | ... | ... | ... | ... |
| | | F | 16 55 37 | ... | ... | ... | | | L? | 02 17 52 | ... | ... | ... | ... | ... | ... | |
| June 3 | AE | e | 21 12 34 | ... | ... | ... | | Feeble shock. | June 13 | Mn | 02 27 20 | 18 | ... | 8 | ... | ... | |
| | | S | 21 21 44 | ... | ... | ... | | | F | 03 29 40 | ... | ... | ... | ... | ... | ... | |
| | | F | 22 16 35 | ... | ... | ... | | | June 13 | AE | | | | | | | |
| June 4 | AE | iP | 05 58 28 | ... | ... | ... | | Slight shock. | | IP | 22 13 33 | ... | ... | ... | 1310 | Do. | |
| | | eS | 06 00 29 | ... | ... | ... | | | S | 22 15 54 | ... | ... | ... | ... | ... | Do. | |
| | | F | 06 18 17 | ... | ... | ... | | | SR | 22 16 09 | ... | ... | ... | ... | ... | Do. | |
| June 4 | AN | e | 05 58 17 | ... | ... | ... | | Do. | June 16 | L | 22 16 33 | ... | ... | ... | ... | ... | |
| | | S | 06 00 29 | ... | ... | ... | | | June 16 | AE | 22 13 33 | ... | ... | ... | ... | ... | |
| June 5 | AE | i | 11 31 29 | ... | ... | ... | | Do. | | e | 20 17 27 | ... | ... | ... | ... | Slight shock. | |
| | | IS | 11 32 36 | ... | ... | ... | | | | i | 20 18 53 | ... | ... | ... | ... | ... | |
| | | F | 11 44 46 | ... | ... | ... | | | | F | 20 28 42 | ... | ... | ... | ... | ... | |
| June 5 | AE | e | 13 10 47 | ... | ... | ... | | Do. | June 18 | AE | 09 38 27 | ... | ... | ... | ... | Feeble shock. | |
| | | F | 13 36 54 | ... | ... | ... | | | | i | 10 46 12 | ... | ... | ... | ... | ... | |
| June 6 | AE | e | 04 25 34 | ... | ... | ... | | Do. | June 18 | F | 11 54 13 | ... | ... | ... | ... | Do. | |
| | | F | 05 34 45 | ... | ... | ... | | | | i | 11 55 06 | ... | ... | ... | ... | ... | |
| June 6 | AE | e | 06 41 33 | ... | ... | ... | | Do. | June 23 | F | 12 02 06 | ... | ... | ... | ... | ... | |
| | | F | 07 37 37 | ... | ... | ... | | | | AE | 05 23 11 | ... | ... | ... | 1510 | Moderate shock. | |
| June 9 | AE | P | 13 10 09 | ... | ... | ... | 7955 | Do. | June 23 | P | 05 25 52 | ... | ... | ... | ... | ... | |
| | | PcP | 13 10 47 | ... | ... | ... | | | | S | 05 26 10 | ... | ... | ... | ... | ... | |
| | | PR ₁ | 13 12 49 | ... | ... | ... | | | | SR ₁ | 06 22 46 | ... | ... | ... | 16110 | Distant shock. moderate | |
| | | S | 13 19 34 | ... | ... | ... | | | | AN | 06 23 14 | ... | ... | ... | ... | ... | |
| June 9 | PS | P | 13 20 10 | ... | ... | ... | | Feeble shock. | June 24 | eP | 06 26 09 | ... | ... | ... | ... | ... | |
| | | F | 14 33 30 | ... | ... | ... | | | | PR ₂ | 06 26 47 | ... | ... | ... | ... | ... | |
| June 10 | AE | P | 08 09 47 | ... | ... | ... | | | | ScPcP | 06 29 23 | ... | ... | ... | ... | ... | |
| | | F | 08 17 21 | ... | ... | ... | | | | PR ₃ | 06 33 02 | ... | ... | ... | ... | ... | |
| June 13 | AE | P | 02 00 32 | ... | ... | ... | 6255 | Moderate shock. | | ScPcS | 06 35 40 | ... | ... | ... | ... | ... | |
| | | | | | | | | | PPS | 06 41 40 | ... | ... | ... | ... | ... | | |
| | | | | | | | | | SR ₁ | 06 47 07 | ... | ... | ... | ... | ... | | |
| | | | | | | | | | SR ₂ | | | | | | | | |

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TABLE D 1—*contd.*

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ) | | Δ Kms. | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ) | | Δ Kms. | Remarks. |
|------------------|---|--|------------------|------------------------|--------|------------------|---------------------------|------------------|--|--|------------------|------------------------|--------|------------------|---------------------------|
| | | | | A N | A E | | | | | | | A N | A E | | |
| 1934. June 21 | AE eL | H. M. S. 07 08 34 | ... | ... | ... | ... | * | 1934. July 18 | AE PR ₃ ScPePcS | H. M. S. 02 03 8 02 06 14 | ... | ... | ... | ... | ... |
| June 24 | AN e eF | 06 19 04 08 05 20 | ... | ... | ... | ... | | | PScPeS | 02 10 01 | ... | ... | ... | ... | |
| June 29 | AE P PR ₁ PR ₂ S | 08 33 49 08 35 27 08 36 11 08 40 33 | ... | ... | ... | 5000 | Moderate shock. | | PPS SR ₁ SR ₂ eL F | 02 12 55 02 19 07 02 24 54 02 48 23 06 02 25 | ... | ... | ... | ... | |
| June 29 | AE SR ₁ SR ₂ eL F | 08 43 18 08 44 18 08 47 10 09 49 18 | ... | ... | ... | | | July 18 | AN eP' ₁ PR ₁ eL F | 01 55 55 61 59 38 02 48 23 06 02 28 | ... | ... | ... | 17000 | Shock of great intensity. |
| June 29 | AN P S eL F | 08 33 49 08 40 33 08 47 00 09 41 19 | ... | ... | ... | 5000 | Do. | July 18 | AE e F | 16 37 12 17 07 14 | ... | ... | ... | ... | Feeble shock. |
| June 29 | AE e F | 12 48 56 13 08 48 | ... | ... | ... | | Feeble shock. | July 18 | AE P PR ₁ PR ₂ ScPeS | 17 19 12 17 22 51 17 24 51 17 29 25 | ... | ... | ... | ... | Moderate shock. |
| July 3 | AE i i | 08 55 10 08 55 37 | ... | ... | ... | | Slight near shock. | | S? PS? SR ₁ SR ₂ | 17 30 23 17 31 36 17 36 58 17 40 37 | ... | ... | ... | ... | |
| July 3 | AN e F | 08 55 11 09 16 44 | ... | ... | ... | | Do. | | L F | 17 50 09 19 35 18 | ... | ... | ... | ... | |
| July 5 | AE e F | 07 34 01 07 37 16 | ... | ... | ... | | Do. | July 18 | AN e | 17 19 18 | ... | ... | ... | ... | |
| July 6 | AE e | 23 17 04 | ... | ... | ... | | Distant slight shock. | July 18 | F | 19 12 34 | ... | ... | ... | ... | |
| July 12 | AE i F | 14 41 08 15 08 55 | ... | ... | ... | | Tremors. | July 18 | AE PR ₁ ScPeS | 19 53 50 19 57 18 20 04 20 | ... | ... | ... | ... | 10720 |
| July 15 | AE e F | 02 11 49? 02 18 23? | ... | ... | ... | | Slight shock. | July 19 | AE PS SR ₁ SR ₂ L | 20 05 48 20 10 46 20 15 11 20 30 02 | ... | ... | ... | ... | Shock of great intensity. |
| July 18 | AE P' ₃ | 01 56 00 | ... | ... | ... | 17000 | Shock of great intensity. | July 18 | AN eP | 19 53 54 | ... | ... | ... | ... | Do. |
| July 18 | AE ScPeP? PR ₁ ScPeS | 01 59 22 01 59 38 02 02 48 | ... | ... | ... | | | July 19 | AE P PR ₁ PR ₂ | 01 37 34 01 39 47 01 40 49 | ... | ... | ... | 6290 | Moderate shock. |

TABLE D 1—*contd.*

| Date | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | Δ Kms. | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | Δ Kms. | Remarks. | |
|---------|------------------|------------------|------------------|-------------------------|-------|------------------|-----------------|-------|---------|-------------------|------------------|-------------------------|-------|------------------|---------------|-----------------|
| | | | | A_N | A_E | | | | | | | A_N | A_E | | | |
| 1934. | | H. M. S. | | | | | | | | H. M. S. | | | | | | |
| July 19 | AE | S | 01 45 31 | ... | ... | | | 1934. | July 28 | AE | P | 02 09 32 | ... | ... | 1280 | Slight shock. |
| | PS | 01 46 08 | ... | ... | ... | | | | | S | 02 11 50 | ... | ... | ... | ... | |
| | SR ₁ | 01 49 35 | ... | ... | ... | | | | July 28 | SR ₁ | 02 12 10 | ... | ... | ... | ... | |
| | SR ₂ | 01 51 24 | ... | ... | ... | | | | | Mn | 02 15 32 | 10 | ... | 22 | ... | |
| | eL | 01 55 28 | ... | ... | ... | | | | | F | 02 43 02 | ... | ... | ... | ... | |
| | F | 03 39 14 | ... | ... | ... | | | | July 28 | AN | | | | | | |
| July 19 | AN | | | | | | | | | P | 02 09 32 | ... | ... | 1280 | Slight shock. | |
| | eP | 01 37 34 | ... | ... | ... | | | | | S | 02 11 50 | ... | ... | ... | ... | |
| July 19 | AE | e | 06 02 13 | ... | ... | | | | July 30 | AE | e | 03 34 51 | ... | ... | ... | Feeble shock. |
| | 1 | 06 09 10 | ... | ... | ... | | | | | F | 03 44 28 | ... | ... | ... | Feeble shock. | |
| July 19 | AN | | | | | | | | July 31 | AE | | | | | | |
| | e | 06 10 06 | ... | ... | ... | | | | | e | 06 12 17 | ... | ... | ... | ... | |
| July 19 | AE | P | 07 50 15 | ... | ... | 11090 | Slight shock. | | | F | 06 29 31 | ... | ... | ... | ... | |
| | eP (?) | 07 53 35 | ... | ... | ... | | | | July 31 | AE | P | 11 55 22 | ... | ... | 3025 | Slight shock. |
| | ePR ₁ | 07 54 09 | ... | ... | ... | | | | | S | 12 00 08 | ... | ... | ... | ... | |
| | PR ₂ | 07 56 23 | ... | ... | ... | | | | | F | 12 29 02 | ... | ... | ... | ... | |
| | ScPcS | 08 00 43 | ... | ... | ... | | | | Aug. 2 | AE | | | | | | |
| | PS | 08 02 29 | ... | ... | ... | | | | | i | 07 36 03? | ... | ... | ... | Tremors. | |
| | SR ₁ | 08 07 55 | ... | ... | ... | | | | | F | 08 14 08? | ... | ... | ... | ... | |
| | SR ₂ | 08 12 11 | ... | ... | ... | | | | Aug. 3 | AE | | | | | | |
| | F | 10 21 49 | ... | ... | ... | | | | | e | 02 16 31 | ... | ... | ... | Do. | |
| July 19 | AN | e | 07 53 30 | ... | ... | | | | | F | 02 21 46 | ... | ... | ... | ... | |
| | F | 09 12 14 | ... | ... | ... | | | | Aug. 4 | AE | i | 13 29 34 | ... | ... | ... | Feeble shock. |
| July 20 | AE | e | 02 55 35 | ... | ... | | | | | i | 13 28 56 | ... | ... | ... | ... | |
| | F | 03 19 11 | ... | ... | ... | | | | | F | 13 58 19 | ... | ... | ... | ... | |
| July 20 | AE | i | 18 34 15 | ... | ... | | | | Aug. 7 | AE | iP | 03 53 24 | ... | ... | 10555 | Moderate shock. |
| | F | 20 23 52 | ... | ... | ... | | | | | PR ₁ | 03 57 10 | ... | ... | ... | ... | |
| | | | | | | | | | | PR ₁ ? | 03 59 29 | ... | ... | ... | ... | |
| July 21 | AN | P | 06 31 56 | ... | ... | | | | | ScPcS | 04 03 52 | ... | ... | ... | ... | |
| | F | 09 45 45 | ... | ... | ... | | | | | ScPcS? | 04 04 18 | ... | ... | ... | ... | |
| July 21 | AE | | | | | | | | | S | 04 04 44 | ... | ... | ... | | |
| | eP | 11 01 25 | ... | ... | ... | | | | | PS | 04 05 52 | ... | ... | ... | | |
| | F | 13 10 42 | ... | ... | ... | | | | | PPS? | 04 06 36 | ... | ... | ... | | |
| July 21 | AN | e | 11 01 30 | ... | ... | | | | | SR ₁ | 04 11 25 | ... | ... | ... | | |
| | F | 13 02 28 | ... | ... | ... | | | | | SR ₂ ? | 04 15 15 | ... | ... | ... | | |
| July 22 | AE | | | | | | | | | I? | 04 26 03 | ... | ... | ... | | |
| | iP | 19 59 29 | ... | ... | ... | 1055 | Moderate shock. | | | M | 04 32 47 | ... | ... | ... | | |
| | S | 20 01 22 | ... | ... | ... | | | | | F | 07 04 19 | ... | ... | ... | | |
| | F | 20 46 40 | ... | ... | ... | | | | Aug. 7 | AN | e | 03 53 32 | ... | ... | ... | Moderate shock. |
| | | | | | | | | | | F | 06 11 39 | ... | ... | ... | | |

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TABLE D 1—*contd.*

| Date. | Phase. | Time. G. M. T. | Period (Sec.) | Amplitude (μ). | | Δ Kms. | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ) | | Δ Kms. | Remarks. |
|---------|-------------------|-------------------|------------------|-------------------------|----------------|------------------|-----------------------|---------|------------------------|------------------|------------------|------------------------|----------------|------------------|-----------------------|
| | | | | A _N | A _E | | | | | | | A _N | A _E | | |
| 1934. | | H. M. S. | | | | | | 1934. | | H. M. S. | | | | | |
| Aug. 7 | AE | | | | | | | Aug. 12 | AN | | | | | | |
| | eP | 11 54 03 | ... | ... | ... | 2190 | Slight shock. | | P | 23 58 15 | ... | ... | ... | 5390 | Moderate Shock. |
| | PR ₁ ? | 11 54 20 | ... | ... | ... | | | Aug. 13 | S | 00 05 21 | ... | ... | ... | ... | |
| | PR ₂ ? | 11 54 29 | ... | ... | ... | | | Aug. 13 | AE | | | | | | |
| | S | 11 57 44 | ... | ... | ... | | | | e | 11 01 28 | ... | ... | ... | ... | Tremors. |
| | SR ₁ | 11 58 35 | ... | ... | ... | | | | F | 11 24 11 | ... | ... | ... | ... | |
| | L | 11 59 29 | ... | ... | ... | | | Aug. 14 | AE | | | | | | |
| | M | 12 01 10 | ... | ... | ... | | | | e | 09 07 16 | ... | ... | ... | ... | Feeble shock. |
| | Mn | 12 02 41 | 13 | ... | 20 | | | | F | 10 03 03 | ... | ... | ... | ... | |
| | F | 13 12 28 | ... | ... | ... | | | | | | | | | | |
| Aug. 7 | AN | | | | | | | Aug. 18 | AE | | | | | | Do. |
| | e | 11 54 15 | ... | ... | ... | | Do. | | e | 02 55 05 | ... | ... | ... | ... | |
| | S | 11 57 44 | ... | ... | ... | | | | F | 03 42 02 | ... | ... | ... | ... | |
| | F | 12 50 08 | ... | ... | ... | | | Aug. 21 | AE | | | | | | |
| Aug. 9 | AE | | | | | | | | e | 19 33 04 | ... | ... | ... | ... | Slight shock. |
| | e | 19 55 55 | ... | ... | ... | | | | S | 19 38 06 | ... | ... | ... | ... | |
| | F | 21 05 44 | ... | ... | ... | | | | SR ₁ ? | 19 40 50 | ... | ... | ... | ... | |
| Aug. 11 | AE | | | | | | | | L | 19 44 30 | ... | ... | ... | ... | |
| | eP | 08 25 41 | ... | ... | ... | 4465 | Moderate shock. | | F | 21 26 38 | ... | ... | ... | ... | |
| | PR ₁ | 08 27 27 | ... | ... | ... | | | Aug. 22 | AE | | | | | | |
| Aug. 11 | AE | | | | | | | | e | 06 55 36 | ... | ... | ... | ... | Tremors. |
| | S | 08 31 57 | ... | ... | ... | | | | F | 07 21 32 | ... | ... | ... | ... | |
| | SR ₁ | 08 35 12 | ... | ... | ... | | | Aug. 22 | AE | | | | | | |
| | L | 08 37 09 | ... | ... | ... | | | | e | 10 30 21 | * | ... | ... | ... | Feeble shock. |
| | M | 08 40 30 | ... | ... | ... | | | | F | 11 08 22 | ... | ... | ... | ... | |
| | F | 10 01 40 | ... | ... | ... | | | Aug. 23 | AE | | | | | | |
| Aug. 11 | AN | | | | | | | | e | 23 54 17 | ... | ... | ... | ... | Do. |
| | e | 08 25 39 | ... | ... | ... | | Do. | | F | 01 44 47 | ... | ... | ... | ... | |
| | F | 09 41 34 | ... | ... | ... | | | Aug. 24 | | | | | | | |
| Aug. 11 | AE | | | | | | | Aug. 29 | AE | | | | | | |
| | e | 12 09 37 | ... | ... | ... | | Distant slight shock. | | eP | 03 44 18 | ... | ... | ... | 710 | Slight shock. |
| | i | 12 19 28 | ... | ... | ... | | | | P* | 03 44 40 | ... | ... | ... | ... | |
| | F | 13 55 21 | ... | ... | ... | | | | <u>P</u> | 03 44 55 | ... | ... | ... | ... | |
| Aug. 11 | AN | | | | | | | | S | 03 45 32 | ... | ... | ... | ... | |
| | e | 12 10 07 | ... | ... | ... | | Do. | | <u>S</u> | 03 46 22 | ... | ... | ... | ... | |
| | F | 13 49 22 | ... | ... | ... | | | Aug. 29 | AN | | | | | | |
| Aug. 12 | AE | | | | | | | | F | 04 07 36 | ... | ... | ... | | |
| | P | 23 58 15 | ... | ... | ... | 5390 | Moderate shock. | | eP* | 03 44 40 | ... | ... | ... | 710 | Do. |
| Aug. 13 | PR ₁ | 00 00 01 | ... | ... | ... | | | | S | 03 45 32 | ... | ... | ... | ... | |
| | PR ₂ | 00 00 52 | ... | ... | ... | | | | <u>S</u> | 03 46 22 | ... | ... | ... | ... | |
| | S | 00 05 21 | ... | ... | ... | | | | F | 03 56 18 | ... | ... | ... | ... | |
| | PS | 00 05 52 | ... | ... | ... | | | | | | | | | | |
| | SR ₁ | 00 08 42 | ... | ... | ... | | | | | | | | | | |
| | SR ₂ ? | 00 10 06 | ... | ... | ... | | | | P | 05 14 43 | ... | ... | ... | 8490 | Distant slight shock. |
| | L | 00 12 51 | ... | ... | ... | | | | S | 05 24 25 | ... | ... | ... | ... | |
| | Mn | 00 21 06 | 20 | ... | 46 | | | | PS | 05 25 07 | ... | ... | ... | ... | |
| | F | 01 58 14 | ... | ... | ... | | | | <u>SR</u> ₁ | 05 29 27 | ... | ... | ... | ... | |
| | | | | | | | | | SR ₂ | 05 32 21 | ... | ... | ... | ... | |
| | | | | | | | | | L? | 05 39 09 | ... | ... | ... | ... | |
| | | | | | | | | | M | 05 44 06 | ... | ... | ... | ... | |

TABLE D 1—*cont'd.*

TABLE D 1—*contd.*

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ): | | Δ Kms. | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ): | | Δ Kms. | Remarks. |
|---------|-------------------|------------------|------------------|-------------------------|--------|------------------|-------------------------|---------|-------------------|------------------|------------------|-------------------------|--------|------------------|-----------------------|
| | | | | A N | A E | | | | | | | A N | A E | | |
| 1934. | | H. M. S. | | | | | | 1934. | | H. M. S. | | | | | |
| Sep. 23 | AE | | | | | | | Oct. 19 | AE | | | | | | |
| | S | 01 31 35 | ... | ... | ... | ... | | | S | 21 01 49 | ... | ... | ... | ... | |
| | S* | 01 32 05 | ... | ... | ... | ... | | | F | 21 52 17 | ... | ... | ... | ... | |
| | S | 01 32 57 | ... | ... | ... | ... | | | AN | | | | | | |
| | F | 01 59 43 | ... | ... | ... | ... | | | e | 21 00 21 | ... | ... | ... | ... | Moderate shocks near. |
| Sep. 23 | AE | | | | | | | | S | 21 01 49 | ... | ... | ... | ... | |
| | e | 08 23 29 | ... | ... | ... | ... | Feeble shock. | | F | 21 25 33 | ... | ... | ... | ... | |
| | F | 09 33 49 | ... | ... | ... | ... | | | AE | | | | | | Tremors. |
| Sep. 25 | AE | | | | | | | | e | 08 19 52 | ... | ... | ... | ... | |
| | i | 19 26 18 | ... | ... | ... | ... | | | F | 08 28 12 | ... | ... | ... | ... | |
| | F | 20 17 15 | ... | ... | ... | ... | | | AE | | | | | | |
| Sep. 25 | AE | | | | | | | | i | 18 03 43 | ... | ... | ... | ... | Slight shock. |
| | e | 23 28 55 | ... | ... | ... | ... | | | F | 19 07 51 | ... | ... | ... | ... | |
| | F | 23 51 51 | ... | ... | ... | ... | | | AE | | | | | | |
| Sep. 26 | AE | | | | | | | | e | 19 09 02 | ... | ... | ... | ... | |
| | e | 16 15 29 | ... | ... | ... | ... | | | F | 19 16 37 | ... | ... | ... | ... | |
| | F | 16 35 59 | ... | ... | ... | ... | | | AE | | | | | | |
| Sep. 27 | AE | | | | | | | | e | 01 05 09 | ... | ... | ... | ... | |
| | e | 22 57 39 | ... | ... | ... | ... | | | AE | | | | | | |
| | F | 23 15 05 | ... | ... | ... | ... | | | S? | 01 05 29 | ... | ... | ... | ... | |
| Oct. 1 | AE | | | | | | | | F | 01 25 47 | ... | ... | ... | ... | |
| | e | 17 14 59 | ... | ... | ... | ... | Slight shock | | AN | | | | | | |
| | F | 17 22 46 | ... | ... | ... | ... | | | e | 01 05 15 | ... | ... | ... | ... | Slight shock. |
| Oct. 5 | AE | | | | | | | | F | 01 12 59 | ... | ... | ... | ... | |
| | IP | 20 35 24 | ... | ... | ... | 5890 | | | AE | | | | | | |
| | ePR ₁ | 20 37 25 | ... | ... | ... | ... | | | eP | 01 34 49 | ... | ... | ... | 055 | |
| | S | 20 42 55 | ... | ... | ... | ... | | | iS | 01 36 43 | ... | ... | ... | ... | |
| | FS | 20 43 33 | ... | ... | ... | ... | | | S | 01 37 51 | ... | ... | ... | ... | |
| | F | 21 35 18 | ... | ... | ... | ... | | | AN | | | | | | |
| Oct. 15 | AE | | | | | | | | e | 01 38 41 | ... | ... | ... | ... | |
| | e | 08 30 59 | ... | ... | ... | ... | | | S | 01 37 51 | ... | ... | ... | ... | |
| Oct. 15 | AE | | | | | | | | F | 01 45 49 | ... | ... | ... | ... | |
| | F | 09 23 04 | ... | ... | ... | ... | | | AE | | | | | | |
| Oct. 18 | AE | | | | | | | | e | 10 21 17 | ... | ... | ... | ... | |
| | eP | 08 01 41 | ... | ... | ... | 10135 | Distant moderate shock. | | i | 10 24 44 | ... | ... | ... | ... | |
| | ePR ₁ | 08 05 05 | ... | ... | ... | ... | | | F | 10 32 57 | ... | ... | ... | ... | |
| | ePR ₂ | 08 07 07 | ... | ... | ... | ... | | | AE | | | | | | |
| | ScPeS? | 08 12 01 | ... | ... | ... | ... | | | IP | 14 53 09 | ... | ... | ... | 5260 | Slight shock. |
| | S | 08 12 25 | ... | ... | ... | ... | | | PR ₂ | 14 55 39 | ... | ... | ... | ... | |
| | PS | 08 13 31 | ... | ... | ... | ... | | | iS | 15 00 08 | ... | ... | ... | ... | |
| | PPS | 08 13 55 | ... | ... | ... | ... | | | SR ₁ ? | 15 03 25 | ... | ... | ... | ... | |
| | SR ₁ | 08 18 31 | ... | ... | ... | ... | | | F | 15 52 57 | ... | ... | ... | ... | |
| | SR ₂ ? | 08 22 21 | ... | ... | ... | ... | | | AN | | | | | | |
| | F | 11 00 29 | ... | ... | ... | ... | | | i | 15 00 05 | ... | ... | ... | ... | |
| Oct. 19 | AE | | | | | | | | | | | | | | |
| | IP | 21 00 09 | ... | ... | ... | 560 | Moderate shock near. | | | | | | | | |
| | S | 21 01 09 | ... | ... | ... | ... | | | | | | | | 5045 | Moderate shock. |

TABLE D 1—contd.

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | | Remarks. |
|---------|-------------------|--------------------------------|---------------|-------------------------|----------------|-----------|----------------------------|---------|-------------------|------------------|---------------|-------------------------|----------------|-----------|-----------------------|
| | | | | A _N | A _E | △ Kms. | | | | | | A _N | A _E | △ Kms. | |
| 1934. | | H. M. S. | | | | | | 1934. | | H. M. S. | | | | | |
| Oct. 26 | AE | | | | | | | Nov. 11 | AE | | | | | | |
| | PR ₁ | 17 21 24 | ... | ... | ... | ... | | | P | 14 18 13 | ... | ... | ... | 930 | Slight shock. |
| | PR ₂ | 17 22 05 | ... | ... | ... | ... | | | IS | 04 19 03 | ... | ... | ... | ... | |
| | S | 17 26 24 | ... | ... | ... | ... | | | S | 04 19 53 | ... | ... | ... | ... | |
| | SR ₁ | 17 29 33 | ... | ... | ... | ... | | | F | 04 29 42 | ... | ... | ... | ... | |
| | SR ₂ | 17 30 57 | ... | ... | ... | ... | | | | | | | | | |
| Oct. 26 | AE | | | | | | | Nov. 11 | AN | | | | | | |
| | Mn | 17 43 39 | 15 | ... | 27 | ... | | | IS | 04 19 03 | ... | ... | ... | 930 | Do. |
| | F? | 19 32 49 | ... | ... | ... | ... | | | IS | 04 19 53 | ... | ... | ... | ... | |
| Oct. 26 | AN | | | | | | | Nov. 12 | F | 04 24 43 | ... | ... | ... | ... | |
| | i | 17 26 26 | ... | ... | ... | ... | | | AE | | | | | | |
| Oct. 29 | AE | | | | | | | Nov. 12 | eP | 07 26 03 | ... | ... | ... | 3565 | Moderate shock. |
| | iP | 16 21 33 | ... | ... | ... | 3020 | Slight shock. | | PR ₁ ? | 07 27 27 | ... | ... | ... | ... | |
| | cPR ₁ | 16 22 17 | ... | ... | ... | ... | | | eS | 07 31 17 | ... | ... | ... | ... | |
| | IS | 16 26 18 | ... | ... | ... | ... | | | L | 07 35 07 | ... | ... | ... | ... | |
| | SR ₁ | 16 27 41 | ... | ... | ... | ... | | | M | 07 38 09 | ... | ... | ... | ... | |
| | L | 16 29 20 | ... | ... | ... | ... | | | F | 08 53 07 | ... | ... | ... | ... | |
| | F? | 18 08 05 | ... | ... | ... | ... | | | AN | | | | | | |
| | | | | | | | | | e | 07 31 19 | ... | ... | ... | ... | Do. |
| Oct. 29 | AN | | | | | | | Nov. 15 | Mn | 07 39 27 | 20 | 77 | ... | ... | |
| | e | 16 26 13 | ... | ... | ... | ... | Do. | | AE | | | | | | |
| | i | 16 27 01 | ... | ... | ... | ... | | | iP | 23 17 21 | ... | ... | ... | 1020 | Slight shock. |
| Nov. 2 | F | 16 50 21 | ... | ... | ... | ... | | Nov. 15 | P* | 23 17 51 | ... | ... | ... | ... | |
| | AE | | | | | | | | IS | 23 19 11 | ... | ... | ... | ... | |
| Nov. 3 | e | 15 21 51 | ... | ... | ... | ... | Do. | Nov. 15 | AE | | | | | | |
| | F | 15 39 59 | ... | ... | ... | ... | | | iS* | 23 19 51 | ... | ... | ... | ... | |
| Nov. 3 | AE | | | | | | | Nov. 15 | F | 23 43 41 | ... | ... | ... | ... | |
| | e | 13 26 53 | ... | ... | ... | ... | Do. | | AN | | | | | | |
| Nov. 4 | F | 13 38 06 | ... | ... | ... | ... | | Nov. 15 | P | 23 17 21 | ... | ... | ... | 1020 | Do. |
| | AE | | | | | | | | eS | 23 19 17 | ... | ... | ... | ... | |
| Nov. 4 | e | 02 12 18 | ... | ... | ... | ... | Distant moderate shock. | Nov. 16 | AE | | | | | | |
| | e | 02 21 23 | ... | ... | ... | ... | | | eP | 13 54 43 | ... | ... | ... | ... | Distant slight shock. |
| | F | Masked by the following shock. | | | | | | | i | 14 04 09 | ... | ... | ... | ... | |
| Nov. 4 | AE | | | | | | | Nov. 16 | F | 15 42 37 | ... | ... | ... | ... | |
| | i | 03 40 27 | ... | ... | ... | ... | Do. | | IP | 03 23 55 | ... | ... | ... | ... | |
| Nov. 4 | F | 06 23 40 | ... | ... | ... | ... | | Nov. 18 | eF | 04 58 35 | ... | ... | ... | ... | |
| | AE | | | | | | | | AN | | | | | | |
| Nov. 5 | AE | | | | | | | Nov. 18 | iP | 03 23 55 | ... | ... | ... | ... | |
| | iP | 23 14 27 | ... | ... | ... | ... | Do. | | IP | 03 24 45 | ... | ... | ... | ... | |
| Nov. 5 | S? | 23 24 19 | ... | ... | ... | ... | | Nov. 18 | S | 03 25 12 | ... | ... | ... | ... | |
| | AE | | | | | | | | S* | 03 25 49 | ... | ... | ... | ... | |
| Nov. 5 | SR ₁ ? | 23 29 45 | ... | ... | ... | ... | | Nov. 18 | S | 03 26 19 | ... | ... | ... | ... | Do. |
| | F | Lost while removing chart. | | | | | | | F | 04 03 45 | ... | ... | ... | ... | |
| Nov. 9 | AE | | | | | | | Nov. 18 | AE | | | | | | |
| | e | 04 18 09 | ... | ... | ... | ... | Feeble shock. | | e | 09 38 02 | ... | ... | ... | ... | |
| Nov. 9 | F | 04 42 33 | ... | ... | ... | ... | | | F | 10 34 47 | ... | ... | ... | ... | |
| | AE | | | | | | | | | | | | | | |
| Nov. 9 | i | 13 55 29 | ... | ... | ... | ... | Tremors. | Nov. 18 | e | 09 38 02 | ... | ... | ... | ... | Slight shock. |
| | F | 14 01 27 | ... | ... | ... | ... | | | F | 10 34 47 | ... | ... | ... | ... | |

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TABLE D 1—*contd.*

TABLE D 1—contd.

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | | Kms. | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | | Kms. | Remarks. | |
|-----------------|--------|------------------|------------------|-------------------------|--------|-----|------|--|-------|---------|------------------|------------------|-------------------------|--------|-----|------|--|--|
| | | | | A N | A E | △ | | | | | | | A N | A E | △ | | | |
| | | H. M. S. | | | | | | | | | | | | | | | | |
| 1934. | | | | | | | | | | | | | | | | | | |
| Dec. 15 | AE | | | | | | | | | 1934. | | | | | | | | |
| i | | 19 38 51? | ... | ... | ... | ... | | | | Dec. 17 | AE | | | | | | | |
| F | | 20 44 35 | ... | ... | ... | ... | | | | e | 22 37 15 | ... | ... | ... | ... | ... | Apparently an after-shock of the Tibet Earthquake | |
| Dec. 16 | AE | | | | | | | | | F | 22 43 18 | ... | ... | ... | ... | ... | | |
| e | | 16 15 03 | ... | ... | ... | ... | | Apparently an after-shock of the Tibet Earthquake. | | Dec. 17 | AE | | | | | | | |
| e | | 16 16 13 | ... | ... | ... | ... | | | | i | 23 14 39 | ... | ... | ... | ... | ... | Slight shock. Felt at Muzaffarpur. | |
| F | | 16 37 46 | ... | ... | ... | ... | | | | F | 23 17 45 | ... | ... | ... | ... | ... | | |
| Dec. 16 | AE | | | | | | | Tremors. | | Dec. 17 | AN | | | | | | Do. | |
| e | | 19 17 36 | ... | ... | ... | ... | | | | e | 23 14 41 | ... | ... | ... | ... | ... | | |
| F | | 19 34 43 | ... | ... | ... | ... | | | | P | 11 24 47 | ... | ... | ... | ... | ... | | |
| Dec. 16 | AE | | | | | | | Apparently an after-shock of the Tibet Earthquake. | | Dec. 18 | AE | | | | | | Apparently an after-shock of the Tibet Earthquake. | |
| e | | 20 44 33 | ... | ... | ... | ... | | | | IS | 11 26 43 | ... | ... | ... | ... | ... | | |
| F | | 20 59 20 | ... | ... | ... | ... | | | | S* | 11 27 14 | ... | ... | ... | ... | ... | | |
| Dec. 16 | AE | | | | | | | Do. | | | IS | 11 27 41 | ... | ... | ... | ... | ... | |
| eP | | 23 37 49 | ... | ... | ... | ... | | | | eF | 12 39 31 | ... | ... | ... | ... | ... | | |
| S | | 23 39 41 | ... | ... | ... | ... | | | | Dec. 18 | AN | | | | | | Do. | |
| S | | 23 40 55 | ... | ... | ... | ... | | | | S | 11 26 43 | ... | ... | ... | ... | ... | | |
| Dec. 17 | AE | | | | | | | | | | S* | 11 27 14 | ... | ... | ... | ... | ... | |
| F | | 00 02 19 | ... | ... | ... | ... | | | | | IS | 11 27 41 | ... | ... | ... | ... | ... | |
| Dec. 17 | AE | | | | | | | | | | F | 11 52 28 | ... | ... | ... | ... | ... | |
| e | | 06 50 17 | ... | ... | ... | ... | | Apparently an after-shock of the Tibet Earthquake. | | Dec. 19 | AE | | | | | | Do. | |
| F | | 07 12 10 | ... | ... | ... | ... | | | | eP | 03 06 23 | ... | ... | ... | ... | ... | | |
| Dec. 17 | AN | | | | | | | Do. | | | S | 03 08 18 | ... | ... | ... | ... | ... | |
| e | | 08 51 30 | ... | ... | ... | ... | | | | | IS | 03 09 27 | ... | ... | ... | ... | ... | |
| Dec. 17 | AE | | | | | | | Do. | | | eF | 03 45 14 | ... | ... | ... | ... | ... | |
| e | | 09 20 14 | ... | ... | ... | ... | | | | Dec. 21 | AE | | | | | | Do. | |
| e | | 09 21 31 | ... | ... | ... | ... | | | | eP | 06 37 09 | ... | ... | ... | ... | ... | | |
| F | | 09 46 28 | ... | ... | ... | ... | | | | P | 06 38 17 | ... | ... | ... | ... | ... | | |
| Dec. 17 | AN | | | | | | | Do. | | | S | 06 39 07 | ... | ... | ... | ... | ... | |
| e | | 09 21 11 | ... | ... | ... | ... | | | | | S* | 06 39 38 | ... | ... | ... | ... | ... | |
| F | | 09 30 59 | ... | ... | ... | ... | | | | | S | 06 40 12 | ... | ... | ... | ... | ... | |
| Dec. 17 | AE | | | | | | | Do. | | | F | 07 15 01 | ... | ... | ... | ... | ... | |
| e | | 14 45 19 | ... | ... | ... | ... | | | | Dec. 21 | AN | | | | | | Do. | |
| e | | 14 46 25 | ... | ... | ... | ... | | | | eS | 06 39 07 | ... | ... | ... | ... | ... | | |
| F | | 15 07 49 | ... | ... | ... | ... | | | | Dec. 21 | AN | | | | | | | |
| Dec. 17 | AN | | | | | | | Do. | | | S | 06 40 12 | ... | ... | ... | ... | ... | |
| e | | 14 46 25 | ... | ... | ... | ... | | | | | F | 06 54 31 | ... | ... | ... | ... | ... | |
| F | | 14 51 21 | ... | ... | ... | ... | | | | Dec. 21 | AE | | | | | | Do. | |
| Dec. 17 | AE | | | | | | | Do. | | | P | 12 41 33 | ... | ... | ... | ... | ... | |
| P | | 16 04 18 | ... | ... | ... | ... | 8025 | Distant slight shock. | | | P | 12 42 35 | ... | ... | ... | ... | ... | |
| IS | | 16 13 47 | ... | ... | ... | ... | | | | S | 12 43 33 | ... | ... | ... | ... | ... | | |
| PS | | 16 14 30 | ... | ... | ... | ... | | | | S* | 12 44 16 | ... | ... | ... | ... | ... | | |
| SB ₁ | | 16 18 57? | ... | ... | ... | ... | | | | | IS | 12 44 35 | ... | ... | ... | ... | ... | |
| SR ₁ | | 16 21 49? | ... | ... | ... | ... | | | | | M ₁ | 12 46 30? | 8 | ... | 23 | ... | ... | |
| F | | 18 14 51 | ... | ... | ... | ... | | | | | F? | 13 31 05 | ... | ... | ... | ... | ... | |
| Dec. 17 | AN | | | | | | | Do. | | Dec. 21 | AN | | | | | | Do. | |
| e | | 16 13 44 | ... | ... | ... | ... | | | | eP | 12 41 33 | ... | ... | ... | ... | ... | | |
| Dec. 17 | AE | | | | | | | Do. | | | IS | 12 43 33 | ... | ... | ... | ... | ... | |
| e | | 22 35 51 | ... | ... | ... | ... | | Apparently an after-shock of the Tibet Earthquake. | | | S* | 12 44 16 | ... | ... | ... | ... | ... | |
| F | | 22 58 28 | ... | ... | ... | ... | | | | | S | 12 44 35 | ... | ... | ... | ... | ... | |

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TABLE D 1--concl.

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | | Δ Kms. | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). | | | Δ Kms. | Remarks. |
|---------|--------|------------------|---------------|-------------------------|--------|------|------------------|-------------------------|-------|---------|------------------|---------------|-------------------------|--------|-----|------------------|----------|
| | | | | A N | A E | Kms. | | | | | | | A N | A E | | | |
| 1934. | | H. M. S. | | | | | | | | | | | | | | | |
| Dec. 22 | AE | | | | | | | | | | | | | | | | |
| | e | 10 59 37 | ... | ... | ... | ... | | Slight shock. | | 1934. | | | | | | | |
| | F | 12 11 41 | ... | ... | ... | ... | | | | Dec. 27 | AE | | | | | | |
| | | | | | | | | | | | F | 12 53 19? | ... | ... | ... | ... | |
| Dec. 22 | AN | | | | | | | | | | | | | | | | |
| | e | 11 04 59 | ... | ... | ... | ... | | Do. | | | Dec. 27 | AE | | | | | |
| | | | | | | | | | | | P | 13 39 53 | ... | ... | ... | 645 | |
| Dec. 22 | AE | | | | | | | | | | | P | 13 40 36 | ... | ... | ... | |
| | e | 14 52 35 | ... | ... | ... | ... | | Distant moderate shock. | | | | S | 13 41 11 | ... | ... | ... | |
| | F | 17 05 43 | ... | ... | ... | ... | | | | | | iS | 13 41 50? | ... | ... | ... | |
| Dec. 23 | AE | | | | | | | | | | | F | 14 09 33 | ... | ... | ... | |
| | e | 10 12 09 | ... | ... | ... | ... | | Slight shock. | | | | | | | | | |
| | e | 10 15 37 | ... | ... | ... | ... | | | | | | AN | | | | | |
| | F | 11 48 20 | ... | ... | ... | ... | | | | | | e | 13 41 05 | ... | ... | ... | |
| Dec. 25 | AE | | | | | | | | | | | i | 13 41 56 | ... | ... | ... | |
| | e | 06 37 41 | ... | ... | ... | ... | | Do. | | | | F | 13 50 10 | ... | ... | ... | |
| Dec. 27 | AE | | | | | | | | | | | AE | | | | | |
| | e | 12 39 39? | ... | ... | ... | .. | | Do. | | | | e | 23 22 03 | ... | ... | ... | Tremors. |
| | | | | | | | | | | | | F | 23 28 53 | ... | ... | ... | |

G. CHATTERJEE,

Upper Air Observatory, Agra.

Meteorologist-in-charge.

STATION—COLABA, BOMBAY.

Lat. $18^{\circ} 54' N$ Long. $72^{\circ} 49' E$. Height above M.S.L.—6 metres.

LITHOLOGIC FOUNDATION : TRAP ROCK.

INSTRUMENTS :—Milne-Shaw seismographs, North-South (N) and East-West (E) components, installed in an underground constant temperature room. Photographic Registration.

INSTRUMENTAL CONSTANTS.

| Compt. | Steady mass Kg. | T. (sec.). | Vm | ϵ | Paper speed mm./min. |
|--------|-----------------|------------|-----|------------|----------------------|
| N | 0.45 | 12 | 250 | 20 : 1 | 8 |
| E | 0.45 | 12 | 350 | 22 : 1 | 8 |

TABLE D 2.

TABLE D 2—*contd.*

| Date. | Compt. | Phase. | G. M. T. | Period. | Amplitude. | △ | Remarks. | Date. | Compt. | Phase. | G. M. T. | Period. | Amplitude. | △ | Remarks. | |
|---------|--------|-----------------|--------------------------------|---------|------------|-------|--|--------|--------|-----------------|-----------|----------|------------|------|--|---------------|
| 1934. | | | H M S. | Sec. | μ | Km. | | 1934. | | | H. M. S. | Sec. | μ | Km. | | |
| Jan. 19 | N | Mn | 18 57 51 | 3 | 18 | ... | | Feb. 2 | E | L | 15 38 10 | ... | ... | ... | | |
| | N,E | F | 19 17 ... | ... | ... | ... | | | E | Mn | 15 44 17 | 15 | 4 | ... | Epc : 2° S., 133° E., Dutch New Guinea. | |
| Jan. 20 | N | Mn | 17 46 12 | ... | ... | ... | Seismic activity. | | N | F | 16 52 ... | ... | ... | ... | | |
| | E | Mn | 17 47 12 | ... | ... | ... | | | E | F | 16 51 ... | ... | ... | ... | | |
| Jan. 20 | N,E | P | 18 03 27 | ... | ... | 4010 | Slight. Epc: 40° N., 107° E., Ortois District in Mongolia. | Feb. 2 | N | e | 19 24 ... | ... | ... | ... | Tremors. | |
| | N,E | S | 18 09 15 | ... | ... | ... | | | E | e | 19 23 ... | ... | ... | ... | | |
| | N,E | L | 18 14 44 | ... | ... | ... | | | N | f | 19 50 ... | ... | ... | ... | | |
| | N,E | M | 18 19 46 | N15 | 13 | ... | | | E | f | 19 54 ... | ... | ... | ... | | |
| | N | F | 19 32 ... | E 14 | 9 | ... | | Feb. 3 | N,E | P | 14 45 22 | ... | ... | 8860 | Slight. | |
| | E | F | 19 31 ... | ... | ... | ... | | | N,E | S | 14 55 27 | ... | ... | ... | | |
| Jan. 20 | N,E | e | 22 51 56 | ... | ... | ... | Slight. Distant. | | N,E | PS | 14 56 04 | ... | ... | ... | Epc : 8° N., 153° E., Caroline Islands. | |
| | N | Mn | 23 20 42 | ... | ... | ... | | | N | L | 15 09 27 | ... | ... | ... | | |
| | E | Mn | 23 23 33 | ... | ... | ... | | | E | L | 15 09 57 | ... | ... | ... | | |
| | N | F | 23 54 ... | ... | ... | ... | | | N | Mn | 15 18 16 | 22 | 8 | ... | | |
| | E | F | 23 53 ... | ... | ... | ... | | | E | Mn | 15 18 50 | 23 | 10 | ... | | |
| Jan. 21 | N | e | 06 56 31 | ... | ... | ... | Slight. Aftershock of Behar Earthquake. | | N | F | 17 33 ... | ... | ... | ... | | |
| | N | Mn | 06 59 19 | ... | ... | ... | | | E | F | 17 36 ... | ... | ... | ... | | |
| | N | F | Marked by the following shock. | ... | ... | ... | | Feb. 3 | N | e | 03 20 55 | ... | ... | ... | Slight. Distant. | |
| Jan. 21 | N | i | 07 10 58 | ... | ... | ... | Feeble. Distant. | | E | i | 03 20 48 | ... | ... | ... | | |
| | N | Mn | 07 24 02 | ... | ... | ... | | | N,E | i | 03 29 01 | ... | ... | ... | | |
| | N | F | 08 11 ... | ... | ... | ... | | | N | F | 03 56 ... | ... | ... | ... | | |
| Jan. 21 | N | eS | 19 55 43 | ... | ... | ... | Slight. Aftershock of Behar Earthquake. Beginning uncertain | | Feb. 4 | N,E | e | 12 55 52 | ... | ... | ... | Slight. Near. |
| | N | eL | 19 56 45 | ... | ... | ... | | | N,E | i | 12 56 38 | ... | ... | ... | | |
| | N | Mn | 19 57 36 | ... | ... | ... | | | N | Mn | 13 01 11 | 7 | 5 | ... | | |
| | N | F | 20 09 ... | ... | ... | ... | | | E | Mn | 13 01 12 | 7 | 3 | ... | | |
| Jan. 22 | N,E | e | 07 59 49 | ... | ... | ... | Slight. Distant. | | N | F | 13 26 ... | ... | ... | ... | | |
| | N | Mn | 08 18 25 | ... | ... | ... | | | E | F | 13 27 ... | ... | ... | ... | | |
| | E | Mn | 08 21 15 | ... | ... | ... | | Feb. 4 | N,E | P | 13 32 18 | ... | ... | 2480 | Moderate. L-Waves not well developed Max. movement near S. Epc : 31° N., 52° E., Persia. | |
| | N | F | 08 53 ... | ... | ... | ... | | | N,E | PR ₁ | 13 32 48 | ... | ... | ... | | |
| | E | F | 08 52 ... | ... | ... | ... | | | N,E | S | 13 36 22 | ... | ... | ... | | |
| Jan. 28 | N,E | eP | 19 29 42 | ... | ... | 16135 | Moderate. Epc : 17° N., 100° W. (U. S. C. G. S.) Destructive in southern and central Mexico. | | N,E | SR ₁ | 13 37 22 | ... | ... | ... | | |
| | N | PR ₁ | 19 32 56 | ... | ... | ... | | | E | L | 13 38 45 | ... | ... | ... | | |
| | N,E | ScPcP | 19 33 15 | ... | ... | ... | | | N | F | 15 28 ... | ... | ... | ... | | |
| | N,E | PR ₂ | 19 36 07 | ... | ... | ... | | | E | F | 15 29 ... | ... | ... | ... | | |
| | N,E | ScPcS | 19 36 33 | ... | ... | ... | | Feb. 4 | N,E | P | 22 11 27 | ... | ... | 6620 | Slight. | |
| | E | ScPcPcs | 19 39 33 | ... | ... | ... | | | N,E | S | 22 19 43 | ... | ... | ... | | |
| | N,E | PScPcs | 19 42 56 | ... | ... | ... | | | N,E | L | 22 32 24 | ... | ... | ... | Epc : 5° S., 127° E., Banda Sea (East Indies). | |
| | N,E | SR ₁ | 19 51 35 | ... | ... | ... | | | E | Mn | 22 38 01 | 21 | 8 | ... | | |
| | N,E | eL | 20 19 ... | ... | ... | ... | | | N | F | 23 33 ... | ... | ... | ... | | |
| | N | Mn | 20 45 18 | 17 | 10 | ... | | | E | F | 23 35 ... | ... | ... | ... | | |
| | E | Mn | 20 42 52 | 19 | 11 | ... | | Feb. 9 | N | e | 06 21 ... | ... | ... | ... | Tremors. | |
| | N | F | 21 45 ... | ... | ... | ... | | | E | e | 06 18 ... | ... | ... | ... | | |
| | E | F | 21 47 ... | ... | ... | ... | | | N | f | 06 29 ... | ... | ... | ... | | |
| Jan. 30 | N | Mn | 21 35 20 | ... | ... | ... | Very feeble. Distant. | | E | f | 06 36 ... | ... | ... | ... | | |
| | E | Mn | 21 34 12 | ... | ... | ... | | Feb. 9 | N,E | eP | 09 41 06 | ... | ... | 8735 | Slight. | |
| | N,E | F | 22 15 ... | ... | ... | ... | | | N,E | S | 09 51 06 | ... | ... | ... | | |
| Feb. 2 | N,E | P | 15 15 59 | ... | ... | 7110 | Slight. | | N | Mn | 10 11 21 | 30 | 10 | ... | Torres Strait (South of British New Guinea). | |
| | N,E | S | 15 24 42 | ... | ... | ... | | | E | Mn | 10 10 24 | 33 | 9 | ... | | |

TABLE D 2—*contd.*

| Date. | Compt. | Phase. | G. M. T. | Period. | Amplitude. | △ | Remarks. | Date. | Compt. | Phase. | G. M. T. | Period. | Amplitude. | △ | Remarks. |
|---------|--------|--------|----------------------------------|---------|------------|------|--|---------|--------|------------------|-----------|---------|------------|-------|--|
| 1934. | | | H. M. S. | Sec. | μ | Km. | | 1934. | | | H. M. S. | Sec. | μ | Km. | |
| Feb. 9 | N | F | 10 53 ... | ... | ... | ... | | Feb. 13 | N,E | c | 20 39 ... | ... | ... | ... | Tremors. |
| | E | F | 11 01 ... | ... | ... | ... | | | N | f | 21 12 ... | ... | ... | ... | |
| Feb. 9 | N,E | e | 11 39 16 | ... | ... | ... | Feeble. Distant. | Feb. 14 | N,E | e | 01 30 37 | ... | ... | ... | Slight. Near. |
| | N | Mn | 12 17 16 | 19 | 3 | ... | | | N,E | Mn | 01 39 17 | ... | ... | ... | |
| | E | Mn | 12 18 16 | 19 | 2 | ... | | | N | F | 01 56 ... | ... | ... | ... | |
| | N | F | 12 50 ... | ... | ... | ... | | | E | F | 01 33 ... | ... | ... | ... | |
| | E | F | 13 03 ... | ... | ... | ... | | Feb. 14 | N,E | iP | 04 07 49 | ... | ... | 4700 | Great. |
| Feb. 9 | N,E | e | 16 35 ... | ... | ... | ... | Tremors. | | N | cPR ₁ | 04 09 19 | ... | ... | ... | |
| | N | f | 16 41 ... | ... | ... | ... | | | E | PR ₂ | 04 09 50 | ... | ... | ... | |
| | E | f | 15 39 ... | ... | ... | ... | | | N,E | iS | 04 14 17 | ... | ... | ... | |
| Feb. 9 | N | e | 22 56 ... | ... | ... | ... | Tremors. | | N | iPS | 04 14 32 | ... | ... | ... | |
| | E | e | 22 51 ... | ... | ... | ... | | | N,E | iSR ₁ | 04 17 07 | ... | ... | ... | |
| | N, E | f | 23 15 ... | ... | ... | ... | | | N,E | iSR ₂ | 04 17 57 | ... | ... | ... | |
| Feb. 10 | N, E | e | 04 50 29 | ... | ... | ... | Slight. | | N | Mn | 04 30 37 | 13 | 232 | ... | |
| | N, E | e | 04 53 18 | ... | ... | ... | Aftershock of Bihar Earthquake. | | N | F | 09 16 ... | ... | ... | ... | |
| | N, E | cL | 04 55 22 | ... | ... | ... | | | E | F | 09 22 ... | ... | ... | ... | |
| | N | Mn | 04 56 14 | ... | ... | ... | | Feb. 14 | N,E | cP | 17 22 57 | ... | ... | 4645 | Slight. Probably aftershock of the previous great shock. |
| | E | Mn | 04 56 33 | ... | ... | ... | | | N,E | cS | 17 29 22 | ... | ... | ... | |
| | N | F | 05 12 ... | ... | ... | ... | | | N,E | cL | 17 36 34 | ... | ... | ... | |
| | E | F | 05 08 ... | ... | ... | ... | | | N | Mn | 17 42 38 | 13 | 3 | ... | |
| Feb. 11 | N, E | e | 09 12 02 | ... | ... | ... | Slight. Near. | | E | Mn | 17 44 27 | 13 | 2 | ... | |
| | N | Mn | 09 22 21 | ... | ... | ... | | | N | F | 18 10 ... | ... | ... | ... | |
| | E | Mn | 09 23 02 | ... | ... | ... | | | E | F | 18 17 ... | ... | ... | ... | |
| | N | F | 09 48 ... | ... | ... | ... | | Feb. 14 | N | e | 19 28 ... | ... | ... | ... | Tremors. |
| | E | F | 10 03 ... | ... | ... | ... | | | E | e | 19 16 ... | ... | ... | ... | |
| Feb. 11 | N, E | e | 14 59 ... | ... | ... | ... | Slight. Near. | | N | f | 19 54 ... | ... | ... | ... | |
| | N | f | 15 07 ... | ... | ... | ... | | | E | f | 19 59 ... | ... | ... | ... | |
| | E | f | 15 05 ... | ... | ... | ... | | Feb. 15 | N | e | 02 36 ... | ... | ... | ... | Tremors. |
| Feb. 12 | N, E | e | 04 00 10 | ... | ... | ... | Slight. | | E | e | 02 30 ... | ... | ... | ... | |
| | N, E | e | 04 03 02 | ... | ... | ... | Aftershock of Bihar Slight Earthquake. | | N,E | f | 03 05 ... | ... | ... | ... | |
| | N, E | eL | 04 04 10 | ... | ... | ... | | Feb. 16 | N,E | eP | 06 36 00 | ... | ... | 10335 | Slight. |
| | N, E | F | 04 16 ... | ... | ... | ... | | | N,E | eS | 06 47 08 | ... | ... | ... | |
| Feb. 12 | N, E | eP | 11 36 14 | ... | ... | 3240 | Slight. | | N | Mn | 07 14 48 | 13 | 3 | ... | |
| | N, E | S | 11 41 14 | ... | ... | ... | Epc: 24° N., 103° E., South China. | | E | Mn | 07 14 25 | 13 | 3 | ... | |
| | N, E | L | 11 44 50 | ... | ... | ... | | | N | F | 07 49 ... | ... | ... | ... | |
| | N, E | Mn | 11 49 19 | 11 | 15 | ... | | | E | F | 07 57 ... | ... | ... | ... | |
| | N, E | F | 13 21 ... | ... | ... | ... | | Feb. 16 | N | e | 07 59 ... | ... | ... | ... | Tremors. |
| Feb. 13 | N | e | 10 03 ... | ... | ... | ... | Tremors. | | E | e | 08 05 ... | ... | ... | ... | |
| | N | f | 10 14 ... | ... | ... | ... | | | N | f | 08 26 ... | ... | ... | ... | |
| Feb. 13 | N | e | 10 31 ... | ... | ... | ... | Tremors. | | E | e | 08 31 ... | ... | ... | ... | |
| | E | e | 10 29 ... | ... | ... | ... | | Feb. 17 | N | e | 02 54 30 | ... | ... | ... | |
| | N | f | 10 46 ... | ... | ... | ... | | | N | e | 02 57 30 | ... | ... | ... | |
| | E | e | 10 45 ... | ... | ... | ... | | | N | F | 03 09 ... | ... | ... | ... | |
| Feb. 13 | N, E | e | 20 35 ... | ... | ... | ... | Tremors. | Feb. 18 | N,E | e | 21 12 15 | ... | ... | ... | Slight. Distant. |
| | N, E | f | Marked by the following tremors. | | | | | | N,E | e | 21 20 26 | ... | ... | ... | |

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TABLE D 2—*contd.*

TABLE D 2—contd.

| Date. | Compt. | Phase. | G. M. T. | Period. | Amplitude | △ | Remarks. | Date. | Compt. | Phase. | G. M. T. | Period. | Amplitude | △ | Remarks. | |
|---------|--------|-----------------|-----------|---------|-----------|-------|---|----------|--------|--------|-----------|-----------|-----------|------|------------------|---|
| 1934. | | | H. M. S. | Sec. | μ | Km. | | 1934. | | | H. M. S. | Sec. | μ | Km. | | |
| March 4 | N | e | 06 12 ... | ... | ... | ... | Slight. Distant. | March 12 | N | e | 15 25 54 | ... | ... | ... | Slight. Distant. | |
| | E | e | 06 12 01 | ... | ... | ... | | | E | e | 15 26 06 | ... | ... | ... | | |
| | N.E. | e | 06 19 24 | ... | ... | ... | | | N | Mn | 16 23 24 | 16 | 7 | ... | | |
| | N | F | 06 35 ... | ... | ... | ... | | | N | F | 17 43 ... | ... | ... | ... | | |
| | E | F | 06 42 ... | ... | ... | ... | | | E | F | 16 54 ... | ... | ... | ... | | |
| Mar. 4 | E | eP | 11 29 23 | ... | ... | 8090 | Slight. | Mar. 12 | N | e | 19 24 ... | ... | ... | ... | Tremors. | |
| | E | iS | 11 38 53 | ... | ... | ... | | | N | f | 19 47 ... | ... | ... | ... | | |
| | E | Mn | 12 03 38 | 15 | 8 | ... | | Mar. 13 | N | e | 13 25 08 | ... | ... | ... | Slight. Distant. | |
| | E | F | 13 00 ... | ... | ... | ... | | | E | e | 13 25 11 | ... | ... | ... | | |
| Mar. 5 | N,E | eP | 12 00 49 | ... | ... | 12780 | Great. | | N | Mn | 14 22 50 | 15 | 3 | ... | | |
| | N | eP ¹ | 12 04 31 | ... | ... | ... | Epc : 42° 7' S., 173° 7' E. (J. S. A.). | | N | F | 16 27 ... | ... | ... | ... | | |
| | E | eP ¹ | 12 04 39 | ... | ... | ... | New Zealand. | | E | F | 15 52 ... | ... | ... | ... | | |
| | N,E | PR ₁ | 12 05 39 | ... | ... | ... | | Mar. 14 | N,E | e | 10 46 ... | ... | ... | ... | Tremors. | |
| | E | PR ₂ | 12 08 16 | ... | ... | ... | | | N | e | 11 27 ... | ... | ... | ... | | |
| | N,E | Sc. PeS. | 12 11 32 | ... | ... | ... | | | E | f | 11 26 ... | ... | ... | ... | | |
| | E | eS | 12 13 31 | ... | ... | ... | | Mar. 15 | E | e | 11 05 49 | ... | ... | ... | Slight. Distant. | |
| | N,E | PS | 12 15 08 | ... | ... | ... | | | N | e | 11 06 19 | ... | ... | ... | | |
| | N,E | SR | 12 21 50 | ... | ... | ... | | | N,E | i | 11 15 56 | ... | ... | ... | | |
| | N,E | SR ₂ | 12 26 16 | ... | ... | ... | | | N | Mn | 11 49 19 | 19 | 5 | ... | | |
| | N,E | cL | 12 41 ... | ... | ... | ... | | | E | Mn | 11 50 37 | 20 | 6 | ... | | |
| | N | Mn | 12 52 16 | 17 | 148 | ... | | | N | F | 12 50 ... | ... | ... | ... | | |
| | E | Mn | 12 49 46 | 23 | 279 | ... | | | E | F | 13 49 ... | ... | ... | ... | | |
| | N | F | 16 48 ... | ... | ... | ... | | Mar. 16 | E | iP | 14 25 21 | ... | ... | 8145 | Slight. | |
| | E | F | 16 39 ... | ... | ... | ... | | | N | iP | 14 25 25 | ... | ... | ... | | |
| Mar. 6 | N | e | 15 04 25 | ... | ... | ... | Slight. Distant. | | | N | iS | 14 34 55 | ... | ... | ... | Epc : 6° S., 142° E., British New Guinea. |
| | E | i | 15 04 25 | ... | ... | ... | | | E | eS | 14 34 56 | ... | ... | ... | | |
| | N | Mn | 15 25 02 | 22 | 4 | ... | | | N | PS | 14 35 55 | ... | ... | ... | | |
| | E | Mn | 15 25 04 | 22 | 4 | ... | | | E | PS | 14 35 51 | ... | ... | ... | | |
| | N | F | 15 49 ... | ... | ... | ... | | | N | F | 15 36 ... | ... | ... | ... | | |
| | E | F | 16 08 ... | ... | ... | ... | | | E | F | 15 55 ... | ... | ... | ... | | |
| Mar. 7 | N,E | e | 16 13 ... | ... | ... | ... | Tremors. | | | | | | | | | |
| | N | f | 16 25 ... | ... | ... | ... | | Mar. 16 | N | e | 17 23 47 | ... | ... | ... | Slight. Distant. | |
| | E | f | 16 24 ... | ... | ... | ... | | | E | e | 17 23 45 | ... | ... | ... | | |
| Mar. 8 | N | Mn | 00 29 ... | ... | ... | ... | Seismic activity. | | | N | Mn | 17 50 06 | ... | ... | ... | |
| | E | Mn | 00 15 ... | ... | ... | ... | | | N | F | 18 30 ... | ... | ... | ... | | |
| Mar. 8 | N | e | 23 11 ... | ... | ... | ... | Tremors. | | | E | F | 18 39 ... | ... | ... | ... | |
| | N | f | 23 45 ... | ... | ... | ... | | Mar. 18 | N,E | iP | 04 44 52 | ... | ... | 7845 | Slight. | |
| | N,E | e | 14 23 05 | ... | ... | ... | Slight. Distant. | | | N,E | eS | 04 54 09 | ... | ... | ... | Epc: 47° N., 153° E., Kurile Islands. |
| | N | Mn | 14 44 ... | ... | ... | ... | | | N,E | iPS | 04 54 50 | ... | ... | ... | | |
| | E | Mn | 14 48 ... | ... | ... | ... | | | N | eL | 05 09 ... | ... | ... | ... | | |
| | N | F | 15 12 ... | ... | ... | ... | | | E | eL | 05 08 ... | ... | ... | ... | | |
| | E | F | 15 00 ... | ... | ... | ... | | | E | Mn | 05 19 24 | 17 | 9 | ... | | |
| Mar. 10 | N,E | i | 02 12 00 | ... | ... | ... | Very feeble. Near. | | | N | F | 05 41 ... | ... | ... | ... | |
| Mar. 11 | N,E | i | 19 20 50 | ... | ... | ... | Slight. Probably distant. | | | E | F | 05 59 ... | ... | ... | ... | |
| | N | Mn | 19 28 52 | 8 | 4 | ... | | Mar. 18 | N,E | e | 07 29 ... | ... | ... | ... | Tremors. | |
| | E | Mn | 19 29 24 | 7 | 1 | ... | | | N | f | 08 14 ... | ... | ... | ... | | |
| | N | F | 19 48 ... | ... | ... | ... | | | E | f | 07 52 ... | ... | ... | ... | | |
| | E | F | 19 44 ... | ... | ... | ... | | | | | | | | | | |

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TABLE D 2—*contd.*

| Date. | Compt. | Phase. | G. M. T. | Period. | Amplitude. | △ | Remarks. | Date. | Compt. | Phase. | G. M. T. | Period. | Amplitude. | △ | Remarks. | |
|----------|--------|-----------------|-----------|---------|------------|-------|---|---------|--------|-----------------|-----------|-----------|------------|------|---|--|
| 1934. | | | H. M. S. | Sec. | μ | Km. | | 1934. | | | H. M. S. | Sec. | μ | Km. | | |
| Mar. 18 | N,E | i | 12 49 41 | ... | ... | ... | Very feeble. Near | Mar. 26 | N,E | e | 03 07 35 | ... | ... | ... | Slight. Near. | |
| | N | F | 13 05 ... | ... | ... | ... | | | E | Mn | 03 09 05 | ... | ... | ... | | |
| | E | F | 13 19 ... | ... | ... | ... | | | N | Mn | 03 10 30 | ... | ... | ... | | |
| Mar. 18 | E | e | 22 24 ... | ... | ... | ... | Very feeble. Near. | | E | F | 03 18 ... | ... | ... | ... | | |
| | N,E | e | 22 27 52 | ... | ... | ... | | | N | F | 03 23 ... | ... | ... | ... | | |
| | E | F | 22 44 ... | ... | ... | ... | | Mar. 29 | N,E | iP | 20 15 09 | ... | ... | 5010 | Slight. Reported to be destructive in the Balkans. L-waves not well-marked. | |
| | N | F | 22 45 ... | ... | ... | ... | | | N | i | 20 17 12 | ... | ... | ... | | |
| Mar. 18 | N,E | e | 22 48 57 | ... | ... | ... | Feeble. Near. | | N,E | iS | 20 21 53 | ... | ... | ... | | |
| | N,E | i | 22 52 55 | ... | ... | ... | | | N | F | 20 44 ... | ... | ... | ... | | |
| | N | F | 23 12 ... | ... | ... | ... | | | E | F | 20 52 ... | ... | ... | ... | | |
| | E | F | 23 21 ... | ... | ... | ... | | Mar. 31 | E | Mn | 18 44 11 | ... | ... | ... | Seismic activity. | |
| Mar. 19 | N,E | iP | 03 33 06 | ... | ... | 2345 | Slight. | | | N | Mn | 18 44 23 | ... | ... | ... | |
| | N,E | iS | 03 36 59 | ... | ... | ... | | Apr. 2 | N | i | 05 16 58 | ... | ... | ... | Feeble. Distant. | |
| | E | F | 04 26 ... | ... | ... | ... | | | E | Mn | 05 33 14 | 22 | 2 | ... | | |
| | N | F | 04 27 ... | ... | ... | ... | | Apr. 2 | N,E | e | 10 51 ... | ... | ... | ... | Tremors. | |
| Mar. 20 | N,E | P | 02 50 31 | ... | ... | 8545 | Slight. | | N,E | f | 11 09 ... | ... | ... | ... | | |
| | E | PR ₁ | 02 53 30 | ... | ... | | Epc: 7° S., 145° E., British New Guinea. | | N,E | e | 08 43 ... | ... | ... | ... | | |
| | N,E | eS | 03 00 22 | ... | ... | | | | N | e | 08 44 ... | ... | ... | ... | Slight. Distant. | |
| | N | PS | 03 00 56 | ... | ... | | | | N | f | 09 41 ... | ... | ... | ... | | |
| | N,E | SR ₁ | 03 05 31 | ... | ... | | | | N | f | 10 08 ... | ... | ... | ... | | |
| | E | Mn | 03 27 26 | 18 | 3 | ... | | | E | Mn | 19 10 19 | ... | ... | ... | Seismic activity. | |
| | N | F | 04 41 ... | ... | ... | ... | | | | | | | | | | |
| | E | F | 05 38 ... | ... | ... | ... | | Apr. 3 | E | Mn | 19 10 19 | ... | ... | ... | | |
| Mar. 20- | E | e | 20 46 ... | ... | ... | ... | Seismic activity. | | | | | | | | Slight. | |
| 21 | E | f | 01 34 ... | ... | ... | ... | | Apr. 3 | N,E | iP | 22 43 23 | ... | ... | 6830 | | |
| | N | Mn | 21 00 16 | ... | ... | ... | Seismic activity. | | N,E | iS | 22 51 51 | ... | ... | ... | Epc: 23° 5 N., 138° 5 E. Southwest of Volcano Islands (Pacific). | |
| Mar. 22 | E | Mn | 21 00 19 | ... | ... | ... | | | N | F | 23 33 ... | ... | ... | ... | | |
| | | | | | | | | | E | F | 23 35 ... | ... | ... | ... | | |
| Mar. 23 | E | Mn | 08 38 01 | ... | ... | ... | Seismic activity. | | | | | | | | Tremors. | |
| | N | Mn | 08 38 13 | ... | ... | ... | | Apr. 4 | N | e | 21 05 ... | ... | ... | ... | | |
| | | | | | | | | | E | e | 21 06 ... | ... | ... | ... | | |
| | | | | | | | | | E | f | 21 14 ... | ... | ... | ... | | |
| Mar. 24 | N,E | P | 12 17 37 | ... | ... | 10220 | Moderate. | | | N | f | 21 17 ... | ... | ... | ... | |
| | E | PR ₁ | 12 21 16 | ... | ... | | Epc: 9° 3 S., 161° 5 E. (U. S. C. G. S.) Solomon Islands. | | | | | | | | Slight. Near. | |
| | E | PR ₂ | 12 23 19 | ... | ... | | | Apr. 5 | N,E | e | 10 46 24 | ... | ... | ... | | |
| | E,N | ScPcs | 12 28 01 | ... | ... | | | | N,E | i | 10 48 32 | ... | ... | ... | | |
| | N,E | iS | 12 28 58 | ... | ... | ... | | | E | Mn | 10 51 01 | 9 | 3 | ... | | |
| | N,E | iPS | 12 29 58 | ... | ... | ... | | | N | Mn | 10 51 19 | 7 | 5 | ... | | |
| | N,E | PPS | 12 30 35 | ... | ... | ... | | | N | F | 11 07 ... | ... | ... | ... | | |
| | N,E | SE ₁ | 12 34 50 | ... | ... | ... | | | N | F | 11 13 ... | ... | ... | ... | | |
| | E | SR ₂ | 12 38 43 | ... | ... | ... | | | E | e | 11 26 ... | ... | ... | ... | Tremors. | |
| | E | eL | 12 48 ... | ... | ... | ... | | | N | f | 11 33 ... | ... | ... | ... | | |
| | N | eL | 12 50 ... | ... | ... | ... | | | E | f | 11 35 ... | ... | ... | ... | | |
| | E | Mn | 13 10 35 | 18 | 14 | ... | | | | | | | | | | |
| | N | Mn | 13 13 13 | ... | ... | ... | | Apr. 6 | N,E | P | 19 19 57 | ... | ... | 6690 | Slight. | |
| | N | F | 16 17 ... | ... | ... | ... | | | N,E | eS | 19 28 17 | ... | ... | ... | | |
| | E | F | 16 52 ... | ... | ... | ... | | | N,E | PS | 19 28 49 | ... | ... | ... | Epc: 37° 1 N., 141° 5 E. Tokyo. (Japan Sea). | |
| Mar. 25 | N | e | 12 50 ... | ... | ... | ... | Tremors. | | N,E | SR ₁ | 19 32 22 | ... | ... | ... | | |
| | E | e | 12 48 ... | ... | ... | ... | | | N | eL | 19 39 ... | ... | ... | ... | | |
| | E | f | 13 05 ... | ... | ... | ... | | | E | eL | 19 40 ... | ... | ... | ... | | |
| | N | f | 13 09 ... | ... | ... | ... | | | N | F | 20 15 ... | ... | ... | ... | | |
| | | | | | | | | | N | F | 20 40 ... | ... | ... | ... | | |

TABLE D 2—contd.

| Date. | Compt. | Phase. | G. M. T. | Period. | Amplitude. | △ | Remarks. | Date. | Compt. | Phase. | G. M. T. | Period. | Amplitude. | △ | Remarks. | |
|---------|--------|-----------------|-----------|---------|------------|-------|---------------------------------------|------------|--------|---------------------|-----------|-----------|------------|------|----------------------------|--|
| | | | H. M. S. | Sec. | " | Km. | | | | | H. M. S. | Sec. | " | Km. | | |
| 1934. | | | | | | | | 1934. | | | | | | | | |
| Apr. 8 | N,E | i | 20 59 45 | ... | ... | ... | Feeble. Near. | Apr. 12 | N | F | 10 04 ... | ... | ... | ... | | |
| | N | i | 21 07 ... | ... | ... | ... | Felt locally at Bhagalpur and Raxaul. | | E | F | 10 16 ... | ... | ... | ... | | |
| | E | f | 21 08 ... | ... | ... | ... | | Apr. 13 | N,E | e | 04 46 38 | ... | ... | ... | Feeble. Near. | |
| Apr. 9 | N | e | 15 49 50 | ... | ... | ... | Slight. Very distant. | | N,E | i | 04 48 10 | ... | ... | ... | | |
| | E | e | 15 50 03 | ... | ... | ... | | | N | F | 04 58 ... | ... | ... | ... | | |
| | E | Mn | 16 51 05 | 23 | 4 | ... | | | E | F | 04 59 ... | ... | ... | ... | | |
| | N | Mn | 16 51 10 | 21 | 4 | ... | | Apr. 13 | N,E | e | 19 54 ... | ... | ... | ... | Feeble. Distant. | |
| | N | F | 17 52 ... | ... | ... | ... | | | N | F | 20 17 ... | ... | ... | ... | | |
| | E | F | 18 03 ... | ... | ... | ... | | | E | F | 20 18 ... | ... | ... | ... | | |
| Apr. 10 | E | e | 06 53 ... | ... | ... | ... | Tremors. | | | | | | | | | |
| | E | f | 07 12 ... | ... | ... | ... | | Apr. 13 | N,E | e | 22 45 ... | ... | ... | ... | Very feeble. Near. | |
| Apr. 10 | N,E | iP | 10 31 52 | ... | ... | 5400 | Moderate. | | N,E | f | 22 51 ... | ... | ... | ... | Felt locally at Darbhanga. | |
| | N,E | PR ₁ | 10 33 44 | ... | ... | ... | Epc: 5° S., 114° E. | | | | | | | | | |
| | N,E | S | 10 38 59 | ... | ... | ... | South of Borneo. | Apr. 13 | N | e | 23 10 ... | ... | ... | ... | Very feeble. Near. | |
| | N,E | PS | 10 39 24 | ... | ... | ... | | | E | e | 23 11 ... | ... | ... | ... | | |
| | E | SR ₁ | 10 43 31 | ... | ... | ... | | | N | f | 23 16 ... | ... | ... | ... | | |
| | N,E | L | 10 46 44 | ... | ... | ... | | | E | f | 23 18 ... | ... | ... | ... | | |
| | E | Mn | 10 53 49 | 15 | 12 | ... | | Apr. 14 | N | eP | 01 33 27 | ... | ... | 1145 | Slight. | |
| | N | Mn | 10 55 23 | 15 | 10 | ... | | | N,E | S | 01 35 34 | ... | ... | ... | Epc: 29° N., 75° E. | |
| | N | F | 12 34 ... | ... | ... | ... | | | N,E | S | 01 36 23 | ... | ... | ... | South-East Punjab. | |
| | E | F | 12 43 ... | ... | ... | ... | | | N | F | 01 48 ... | ... | ... | ... | Felt locally at Delhi. | |
| Apr. 11 | N | e | 08 05 ... | ... | ... | ... | Tremors. | | | E | F | 01 49 ... | ... | ... | ... | |
| | N | f | 08 35 ... | ... | ... | ... | | Apr. 15 | N,E | i | 10 43 41 | ... | ... | ... | Feeble. Distant. | |
| Apr. 11 | N | e | 10 03 ... | ... | ... | ... | Tremors. | | N,E | e | 10 51 55 | ... | ... | ... | | |
| | E | e | 10 07 ... | ... | ... | ... | | | N,E | F | 11 24 ... | ... | ... | ... | | |
| | N | f | 10 27 ... | ... | ... | ... | | Apr. 15 | N,E | Mn | 15 42 23 | ... | ... | ... | Seismic activity. | |
| | E | f | 10 31 ... | ... | ... | ... | | Apr. 15-16 | N,E | P | 22 24 36 | ... | ... | 5720 | Beginning of P in | |
| Apr. 11 | E | e | 21 26 19 | ... | ... | 11110 | Slight. | | N,E | PR ₁ | 22 26 38 | ... | ... | ... | minute break. | |
| | E | PR ₁ | 21 29 25 | ... | ... | ... | Epc: 12° S., 167° E. | | N,E | IS | 22 32 01 | ... | ... | ... | Moderate. Epc: | |
| | E | PR ₂ | 21 31 45 | ... | ... | ... | Charlotte Islands. | | N,E | IPS | 22 32 36 | ... | ... | ... | 7° N., 124° E., South | |
| | N,E | ScPcS | 21 36 00 | ... | ... | ... | | | N | SR ₁ | 22 35 31 | ... | ... | ... | of Mindanao Island. | |
| | N,E | ScPc FcS | 21 36 46 | ... | ... | ... | | | N,E | SR ₂ | 22 37 06 | ... | ... | ... | | |
| | N,E | S | 21 37 06 | ... | ... | ... | | | N,E | L | 22 40 29 | ... | ... | ... | | |
| | N,E | SR ₁ | 21 44 14 | ... | ... | ... | | | E | Mn | 22 50 14 | 18 | 88 | ... | | |
| | N | F | 23 03 ... | ... | ... | ... | | | N | Mn | 22 53 18 | 16 | 41 | ... | | |
| | E | F | 23 34 ... | ... | ... | ... | | | N | F | 02 15 ... | ... | ... | ... | | |
| Apr. 12 | N,E | eP | 03 28 58 | ... | ... | 4920 | Slight. | | E | F | 02 40 ... | ... | ... | ... | | |
| | N,E | S | 03 35 39 | ... | ... | ... | Epc: 17° N., 118° E. | | | | | | | | | |
| | N | Mn | 03 48 19 | 14 | 3 | ... | West of Philippine Islands. | Apr. 16 | N,E | eP | 04 08 41 | ... | ... | 6135 | Slight. | |
| | E | Mn | 03 52 07 | 15 | 3 | ... | | | E | PR ₁ (?) | 04 10 50 | ... | ... | ... | Epc: 7° 5' N., 127° E., | |
| | N | F | 04 18 ... | ... | ... | ... | | | N,E | eS | 04 16 29 | ... | ... | ... | Mindanao Island. | |
| | E | F | 04 33 ... | ... | ... | ... | | | N,E | PS | 04 17 12 | ... | ... | ... | | |
| Apr. 12 | N,E | eP | 09 16 00 | ... | ... | 2690 | Slight. | | E | SR ₁ | 04 20 41 | ... | ... | ... | | |
| | N,E | S | 09 20 21 | ... | ... | ... | Epc: 27° N., 99° E. | | | E | eL | 04 26 ... | ... | ... | ... | |
| | N,E | L | 09 24 ... | ... | ... | ... | North Burma. | | | N | Mn | 04 33 58 | ... | ... | ... | |
| | N | Mn | 09 29 26 | 8 | 3 | ... | | | | E | Mn | 04 34 11 | 16 | 3 | ... | |
| | E | Mn | 09 32 16 | 10 | 2 | ... | | | | N | F | 05 20 ... | ... | ... | ... | |
| | | | | | | | | | | E | F | 05 25 ... | ... | ... | ... | |

TABLE D 2—*contd.*

| Date. | Compt. | Phase. | G. M. T. | Period. | Amplitude. | △ | Remarks. | Date. | Compt. | Phase. | G. M. T. | Period. | Amplitude. | △ | Remarks. | |
|-------------|--------|-----------------|-----------|---------|------------|------|--|---------|--------|-----------------|-----------|--|------------|------|-----------------------|--|
| 1934. | | | H. M. S. | Sec. | μ | Km. | | 1934. | | | H. M. S. | Sec. | μ | Km. | | |
| Apr. 16 | N | e | 13 48 53 | ... | ... | ... | Slight. Distant. | Apr. 26 | N,E | e | 08 16 ... | ... | ... | ... | Feeble. Very distant. | |
| | N,E | e | 13 55 45 | ... | ... | ... | | | E | Mn | 08 55 13 | ... | ... | ... | | |
| | N | Mn | 14 09 15 | 12 | 2 | ... | | | N | Mn | 09 02 13 | ... | ... | ... | | |
| | E | Mn | 14 12 16 | 15 | 1 | ... | | | E | F | 09 48 ... | ... | ... | ... | | |
| | N | F | 14 33 ... | ... | ... | ... | | | N | F | 09 49 ... | ... | ... | ... | | |
| | E | F | 14 36 ... | ... | ... | ... | | Apr. 26 | N | e | 13 48 59 | ... | ... | ... | Slight. Distant. | |
| | | | | | | | | | E | i | 13 56 06 | ... | ... | ... | | |
| Apr. 19 | N,E | i | 16 23 02 | ... | ... | ... | Slight. Distant. | | N,E | i | 14 17 23 | 19 | 5 | ... | | |
| | N,E | i | 16 30 40 | ... | ... | ... | | | E | Mn | 14 47 ... | ... | ... | ... | | |
| | N,E | i | 16 33 16 | ... | ... | ... | | | N | F | 15 05 ... | ... | ... | ... | | |
| | N | F | 16 56 ... | ... | ... | ... | | | E | F | 21 24 40 | ... | ... | ... | Feeble. | |
| | E | F | 17 02 ... | ... | ... | ... | | Apr. 26 | N | i | 22 54 ... | ... | ... | ... | | |
| Apr. 19 | N,E | e(?) | 23 29 05 | ... | ... | ... | Slight. Near. | | N | F | 23 11 39 | ... | ... | ... | Slight. Very distant. | |
| | N | Mn | 23 37 19 | 10 | 2 | ... | | Apr. 27 | N,E | e | 21 05 32 | ... | ... | ... | | |
| | E | Mn | 23 36 12 | 11 | 2 | ... | | | N,E | i | 21 58 54 | 16 | 4 | ... | | |
| Apr. 19-20. | N,E | i | 23 50 42 | ... | ... | ... | Probably feeble, near shock. Seismic activity. | | | E | Mn | 21 50 48 | 17 | 3 | ... | |
| | N | F | 23 59 ... | ... | ... | ... | | | N | F | 23 14 ... | ... | ... | ... | | |
| | E | F | 00 10 ... | ... | ... | ... | Tremors. | | | E | F | Uncertain due to wandering's of zero. | | | | |
| Apr. 21 | N,E | Mn | 06 52 28 | ... | ... | ... | | | | | | | | | | |
| Apr. 23 | N | e | 04 51 ... | ... | ... | ... | | Apr. 28 | N | e | 15 20 27 | ... | ... | ... | Slight. Distant. | |
| | E | e | 04 53 ... | ... | ... | ... | | | N | i | 15 30 06 | ... | ... | ... | | |
| | N | f | 05 04 ... | ... | ... | ... | | | E | i | 15 30 31 | ... | ... | ... | | |
| | E | f | 05 07 ... | ... | ... | ... | | | N | F | 16 33 ... | ... | ... | ... | | |
| Apr. 24 | E | iP | 02 09 28 | ... | ... | 6665 | Slight. | | | E | F | 16 35 ... | ... | ... | ... | |
| | E | PR ₁ | 02 11 51 | ... | ... | | N-beginning lost in shifting paper. | Apr. 30 | N | e | 12 30 ... | ... | ... | ... | Tremors. | |
| | E | PR ₂ | 02 12 51 | ... | ... | | Epc: 4° S., 128° E. | | N | e | 12 31 ... | ... | ... | ... | | |
| | N,E | iS | 02 17 50 | ... | ... | | Banda Sea. | | N | f | 12 40 ... | ... | ... | ... | | |
| | N | F | 02 45 ... | ... | ... | | | | E | f | 12 42 ... | ... | ... | ... | | |
| | E | F | 03 03 ... | ... | ... | | | | | | | | | | | |
| Apr. 24 | E | e | 17 57 ... | ... | ... | ... | Feeble. Distant. | Apr. 30 | N,E | e | 15 31 ... | ... | ... | ... | Tremors. | |
| | N | e | 18 00 ... | ... | ... | ... | | | N | i | 15 47 ... | ... | ... | ... | | |
| | N,E | f | 19 27 ... | ... | ... | ... | | | E | i | 15 49 ... | ... | ... | ... | | |
| Apr. 24 | E | e | 20 36 ... | ... | ... | ... | Tremors. | May 1 | N,E | iP | 03 42 56 | ... | ... | 811 | Slight. | |
| | N | e | 20 37 ... | ... | ... | ... | | | N,E | P* | 03 43 17 | ... | ... | ... | | |
| | N,E | f | 20 47 ... | ... | ... | ... | | | N,E | P | 03 43 43 | ... | ... | ... | | |
| Apr. 25 | N,E | i | 05 21 36 | ... | ... | ... | Slight. | | N,E | S | 03 44 26 | ... | ... | ... | | |
| | N | i | 05 22 28 | ... | ... | ... | | | N,E | S | 03 45 15 | ... | ... | ... | | |
| | E | F | 05 37 ... | ... | ... | ... | | | N | Mn | 03 46 12 | ... | ... | ... | | |
| | N | F | 05 39 ... | ... | ... | ... | | | E | Mn | 03 46 15 | 6 | 10 | ... | | |
| Apr. 25 | N | e | 07 46 ... | ... | ... | ... | Tremors. | | N | F | 04 24 ... | ... | ... | ... | | |
| | N | f | 08 18 ... | ... | ... | ... | | | E | F | 04 39 ... | ... | ... | ... | | |
| Apr. 26 | E | e | 05 49 ... | ... | ... | ... | Feeble. Very distant. | May 1 | N,E | iP | 07 10 45 | ... | ... | 2300 | Slight. | |
| | N | e | 05 55 ... | ... | ... | ... | | | N,E | PR ₂ | 07 11 18 | ... | ... | ... | | |
| | E | Mn | 06 35 03 | ... | ... | ... | | | N,E | S | 07 14 35 | ... | ... | ... | | |
| | N | Mn | 06 36 21 | ... | ... | ... | | | N,E | SR ₁ | 07 15 18 | ... | ... | ... | | |
| | N | F | 07 14 ... | ... | ... | ... | | | E | L | 07 16 18 | ... | ... | ... | | |
| | E | F | 07 15 ... | ... | ... | ... | | | E | Mn | 07 17 39 | 8 | 13 | ... | | |
| | | | | | | | | | N | Mn | 07 18 07 | 6 | 16 | ... | | |

Epc: 25° 5' N., 69° E.
Sind. Felt locally at Larkana, Dadu, Mchar, Sehwan and Kakar.

Epc: 10° N., 93° E.
South of Andaman Islands.

TABLE D 2—contd.

| Date. | Compt. | Phase. | G. M. T. | Period. | Amplitude. | △ | Remarks. | Date. | Compt. | Phase. | G. M. T. | Period. | Amplitude. | △ | Remarks. |
|-------|--------|-----------------|-----------|---------|------------|-------|---|--------|--------|-----------------|-----------|---------|------------|-------|--|
| | | | H. M. S. | Sec. | μ | Km. | | | | | H. M. S. | Sec. | μ | Km. | |
| 1934. | | | | | | | | 1934. | | | | | | | |
| May 1 | N | F | 08 46 ... | ... | ... | ... | | May 9 | N | F | 17 36 ... | ... | ... | ... | |
| | E | F | 08 56 ... | ... | ... | ... | | | E | F | 17 50 ... | ... | ... | ... | |
| May 2 | N | e | 04 50 ... | ... | ... | ... | Tremors. | May 9 | N,E | e | 19 06 ... | ... | ... | ... | Tremors. |
| | E | e | 04 51 ... | ... | ... | ... | | | N | f | 19 19 ... | ... | ... | ... | |
| | N | f | 05 04 ... | ... | ... | ... | | | E | f | 19 26 ... | ... | ... | ... | |
| | E | f | 05 08 ... | ... | ... | ... | | May 11 | E | e | 18 24 ... | ... | ... | ... | Tremors. |
| May 3 | N,E | eP | 01 41 46 | ... | ... | 7180 | Slight. Epc: 28°·5 N., 141°·5 E., North of Bonin Islands (Pacific). | | N | e | 18 35 ... | ... | ... | ... | |
| | N,E | eS | 01 50 33 | ... | ... | ... | | | N,E | f | 18 59 ... | ... | ... | ... | |
| | E | PS | 01 51 01 | ... | ... | ... | | | | | | | | | |
| | E | SR ₁ | 01 54 46 | ... | ... | ... | | May 12 | N,E | eP | 20 32 32 | ... | ... | 2780 | Slight. |
| | E | eL | 02 03 .. | ... | ... | ... | | | E | PR ₁ | 20 33 16 | ... | ... | ... | Epc : 10° N., 96°·5 E., Andaman Sea. |
| | E | Mn | 02 12 19 | 20 | 4 | ... | | | N,E | iS | 20 36 59 | ... | ... | ... | |
| | N | Mn | 02 12 22 | ... | ... | ... | | | N,E | SR ₁ | 20 38 16 | ... | ... | ... | |
| | N | F | 03 30 ... | ... | ... | ... | | | N,E | eL | 20 40 ... | ... | ... | ... | |
| | E | F | 03 42 ... | ... | ... | ... | | | E | Mn | 20 42 16 | 19 | 4 | ... | |
| May 4 | N,E | P | 04 49 22 | ... | ... | 10380 | Great. Epc : Alaska 61° N., 145°·1 W. (J. S. A.) 61° N., 148° W. (U. S. C. G. S.) | | N | F | 21 12 ... | ... | ... | ... | |
| | N,E | PR ₁ | 04 53 04 | ... | ... | | | | N | F | 21 17 ... | ... | ... | ... | |
| | N,E | PR ₂ | 04 55 09 | ... | ... | | | May 13 | N,E | iP | 09 14 30 | ... | ... | 8990 | Slight. L-waves poorly developed. Epc : 4° S., 150° E. Bismarck Archipelago. |
| | N,E | ScPcS | 04 59 50 | ... | ... | | | | N,E | PR ₁ | 09 17 43 | ... | ... | ... | |
| | N,E | ScPc PeS | 05 00 26 | ... | ... | | | | N | PR ₂ | 09 19 39 | ... | ... | ... | |
| | N,E | S | 05 00 39 | ... | ... | | | | N,E | iS | 09 24 40 | ... | ... | ... | |
| | N,E | PS | 05 01 37 | ... | ... | | | | N,E | PS | 09 25 24 | ... | ... | ... | |
| | N,E | PPS | 05 02 20 | ... | ... | | | | N,E | SR ₁ | 09 30 14 | ... | ... | ... | |
| | N,E | SR ₁ | 05 07 04 | ... | ... | | | | N,E | F | 11 02 ... | ... | ... | ... | |
| | N,E | eL | 05 20 28 | ... | ... | | | May 14 | N,E | eP | 22 26 11 | ... | ... | 10500 | Slight. |
| | E | Mn | 05 30 48 | 23 | 66 | ... | | | N,E | PR ₁ | 22 29 59 | ... | ... | ... | Epc : 56°·2 N., 150°·7 W. (J. S. A.) South of Alaska. |
| | N | Mn | 05 35 30 | 19 | 53 | ... | | | N,E | ScPcS | 22 36 41 | ... | ... | ... | |
| | N | F | 07 56 .. | ... | ... | ... | | | N,E | ScPc PeS | 22 37 18 | ... | ... | ... | |
| | E | F | 08 20 ... | ... | ... | ... | | | | | | | | | |
| May 5 | N,E | e | 14 52 0 | ... | ... | ... | Slight. Distant. | | N,E | S | 22 37 26 | ... | ... | ... | |
| | N,E | e | 14 57 39 | ... | ... | ... | | | N,E | PS | 22 38 42 | ... | ... | ... | |
| | N | Mn | 15 34 24 | ... | ... | ... | | | N | SR ₁ | 22 43 56 | ... | ... | ... | |
| | E | Mn | 15 35 09 | 26 | 5 | ... | | | E | Mn | 23 03 49 | 30 | 18 | ... | |
| | E | F | 16 08 .. | ... | ... | ... | | | N | F | 23 39 ... | ... | ... | ... | |
| | N | F | 16 10 ... | ... | ... | ... | | | E | F | 23 46 ... | ... | ... | ... | |
| May 7 | E | e | 02 11 54 | ... | ... | ... | Slight. Distant. | May 17 | N,E | e | 10 39 ... | ... | ... | ... | Tremors. |
| | E | Mn | 02 29 59 | ... | ... | ... | | | E | f | 10 56 ... | ... | ... | ... | |
| | E | F | 02 48 .. | ... | ... | ... | | | N | f | 11 01 ... | ... | ... | ... | |
| May 7 | E | e | 04 23 29 | ... | ... | ... | Slight. Distant. | May 17 | N | e | 22 21 ... | ... | ... | ... | Tremors. |
| | E | Mn | 04 41 47 | ... | ... | ... | | | N | f | 22 47 ... | ... | ... | ... | |
| | N | Mn | 04 41 54 | ... | ... | ... | | | E | f | 22 50 ... | ... | ... | ... | |
| | E | F | 05 04 .. | ... | ... | ... | | May 19 | N | Mn | 02 08 30 | ... | ... | ... | Seismic activity. |
| May 8 | E | Mn | 20 21 32 | ... | ... | ... | Seismic activity. | | E | Mn | 02 07 34 | 19 | 3 | ... | |
| May 9 | N,E | i | 16 24 55 | ... | ... | ... | Slight. Distant. | May 19 | E | e | 10 53 ... | ... | ... | ... | Tremors. |
| | E | i | 16 34 06 | ... | ... | ... | | | N | e | 10 55 ... | ... | ... | ... | |
| | E | Mn | 16 58 20 | 19 | 3 | ... | | | E | f | 11 34 ... | ... | ... | ... | |
| | N | Mn | 16 58 37 | 15 | 3 | ... | | | N | f | 11 36 ... | ... | ... | ... | |

TABLE D 2—contd.

| Date. | Compt. | Phase. | G. M. T. | Period. | Amplitude. | △ | Remarks. | Date. | Compt. | Phase. | G. M. T. | Period. | Amplitude. | △ | Remarks. | |
|--------|--------|-----------------|-----------|---------|------------|------|---|--------|---------|-----------------|-----------|-----------|------------|------|---|-------------------|
| 1934. | | | H. M. S. | Sec. | μ | Km. | | 1934. | | | H. M. S. | Sec. | μ | Km. | | |
| May 21 | E | Mn | 05 04 51 | ... | ... | ... | Seismic activity. | June 2 | N | Mn | 21 43 48 | ... | ... | ... | Seismic activity. | |
| | N | Mn | 05 05 45 | ... | ... | ... | | June 3 | N,E | i | 16 39 45 | ... | ... | ... | Seismic activity. | |
| May 22 | E | eP | 01 27 05 | ... | ... | 2610 | Slight. | June 3 | N | e | 21 13 ... | ... | ... | ... | Feeble. | |
| | E | iS | 01 31 20 | ... | ... | ... | Epc: 9° N., 94° E.. South of Andaman Islands. N—Begin. ning lost in shift ing record. | | E | i | 21 13 10 | ... | ... | ... | | |
| | N,E | SR ₁ | 01 32 12 | ... | ... | ... | | | E | i | 21 15 48 | ... | ... | ... | | |
| | E | eL | 01 34 ... | ... | ... | ... | | | E | F | 22 12 ... | ... | ... | ... | | |
| | N | F | 03 08 ... | ... | ... | ... | | | N | F | 21 41 ... | ... | ... | ... | | |
| | E | F | 03 13 ... | ... | ... | ... | | | | | | | | | | |
| May 23 | N,E | i | 23 21 03 | ... | ... | ... | Feeble. Near. | June 4 | N,E | P | 06 00 09 | ... | ... | 1800 | Slight. | |
| | N,E | e | 23 24 02 | ... | ... | ... | | | N,E | iS | 06 03 25 | ... | ... | ... | | |
| | N | f | 23 37 ... | ... | ... | ... | | | N,E | SR ₁ | 06 04 07 | ... | ... | ... | | |
| | E | f | 23 39 ... | ... | ... | ... | | | N,E | L | 06 04 37 | ... | ... | ... | | |
| May 27 | N,E | eP | 13 32 40 | ... | ... | 3155 | Slight. | | N | F | 06 19 ... | ... | ... | ... | | |
| | N,E | eS | 13 37 34 | ... | ... | ... | | | E | i | 11 36 46 | ... | ... | ... | Feeble. Near. | |
| | N,E | SR ₁ | 13 38 56 | ... | ... | ... | | | E | i | 11 37 41 | ... | ... | ... | | |
| | E | Mn | 13 43 22 | 12 | 3 | ... | | | N | Mn | 11 38 20 | ... | ... | ... | | |
| | N | Mn | 13 46 29 | 7 | 2 | ... | | | | | | | | | | |
| | N | F | 14 26 ... | ... | ... | ... | | | June 5 | N,E | e | 13 16 01 | ... | ... | Feeble. Near. | |
| | E | F | 14 27 ... | ... | ... | ... | | | E | Mn | 13 17 57 | ... | ... | ... | | |
| May 30 | E | i | 23 15 07 | ... | ... | ... | Feeble. Near. | | N | Mn | 13 18 13 | ... | ... | ... | | |
| | N | e | 23 15 37 | ... | ... | ... | | | N,E | F | 14 31 ... | ... | ... | ... | | |
| | N | F | 23 37 ... | ... | ... | ... | | | | | | | | | Tremors. | |
| | E | F | 23 44 ... | ... | ... | ... | | | June 6 | N | e | 04 22 ... | ... | ... | | |
| June 1 | N,E | e | 19 30 51 | ... | ... | ... | Feeble. Near. | | E | e | 04 23 ... | ... | ... | ... | | |
| | N,E | i | 19 32 15 | ... | ... | ... | | | N | f | 04 43 ... | ... | ... | ... | | |
| | N,E | f | 19 38 ... | ... | ... | ... | | | | | 04 56 ... | ... | ... | ... | | |
| June 2 | N,E | iP | 05 59 15 | ... | ... | 2310 | Moderate. | | June 6 | N | e | 07 00 ... | ... | ... | ... | |
| | N,E | iS | 06 03 06 | ... | ... | ... | Epc: 26° 5' N., 93° 5' E. Northeast Assam. | | E | e | 07 02 ... | ... | ... | ... | | |
| | N,E | SR ₁ | 06 03 51 | ... | ... | ... | | | E | f | 07 27 ... | ... | ... | ... | | |
| | N,E | L | 06 04 52 | ... | ... | ... | | | E | f | 07 29 ... | ... | ... | ... | | |
| | N | Mn | 06 06 55 | 7 | 17 | ... | | | June 7 | N | Mn | 16 54 23 | ... | ... | ... | Seismic activity. |
| | E | F | 06 57 ... | ... | ... | ... | | | E | Mn | 16 55 30 | ... | ... | ... | | |
| | N | F | 07 09 ... | ... | ... | ... | | | | | | | | | Tremors. | |
| June 2 | N | P | 13 54 21 | ... | ... | 8110 | Slight. | | June 8 | E | e | 05 49 ... | ... | ... | ... | |
| | N | PR ₁ | 13 58 47 | ... | ... | ... | Epc: 65° N., 20° W. (J.S.A.) Iceland. | | N | e | 05 56 ... | ... | ... | ... | | |
| | N,E | S | 14 03 46 | ... | ... | ... | | | N | f | 06 20 ... | ... | ... | ... | | |
| | N,E | PS | 14 04 34 | ... | ... | ... | | | E | f | 06 23 ... | ... | ... | ... | | |
| | N,E | SR ₁ | 14 08 38 | ... | ... | ... | | | June 9 | N,E | P | 13 10 30 | ... | ... | 8245 | Slight. |
| | N | Mn | 14 27 42 | 24 | 8 | ... | | | N,E | iS | 13 20 08 | ... | ... | ... | | |
| | E | Mn | 14 29 49 | 18 | 5 | ... | | | N,E | PS | 13 20 44 | ... | ... | ... | | |
| | N | F | 15 16 ... | ... | ... | ... | | | N,E | SR ₁ | 13 25 05 | ... | ... | ... | Epc: 6° S., 143° E.. British New Guinea. | |
| | E | F | 15 28 ... | ... | ... | ... | | | N | SR ₁ | 13 27 52 | ... | ... | ... | | |
| June 2 | N,E | i | 17 09 14 | ... | ... | ... | Feeble. Distan ^c . | | | N | F | 15 01 ... | ... | ... | ... | |
| | N,E | i | 17 09 48 | ... | ... | ... | | | E | F | 15 21 ... | ... | ... | ... | | |
| | N,E | e | 17 20 07 | ... | ... | ... | | | | | | | | | | |
| | N,E | Mn | 17 44 35 | ... | ... | ... | | | June 11 | N,E | e | 18 44 ... | ... | ... | ... | Tremors. |
| | N | F | 17 56 ... | ... | ... | ... | | | E | f | 18 50 ... | ... | ... | ... | | |
| | E | F | 17 58 ... | ... | ... | ... | | | N | f | 18 56 ... | ... | ... | ... | | |
| | | | | | | | | | June 13 | N,E | P | 02 01 36 | ... | ... | 7065 | Slight. |
| | | | | | | | | | N,E | PR ₁ | 02 04 05 | ... | ... | ... | | |

TABLE D 2—cont'd.

TABLE D 2—contd.

| Date. | Compt. | Phase. | G.M.T. | Period. | Amplitude. | △ | Remarks. | Date. | Compt. | Phase. | G.M.T. | Period. | Amplitude. | △ | Remarks. |
|-------------|--------|-----------------|------------------------------------|---------|------------|-------|--|---------|--------|------------------|-----------|----------|------------|-------|--|
| 1934. | | | H. M. S. | Sec. | ¶ | Km. | | 1934. | | | H. M. S. | Sec. | ¶ | Km. | |
| July 18 | N,E | SR | 02 24 02 | ... | ... | ... | | July 19 | N,E | i | 06 10 21 | ... | ... | ... | Slight. Distant. |
| | N | Mn | 03 06 42 | 21 | 47 | ... | | | E | Mn | 06 49 30 | 21 | 5 | ... | |
| | E | Mn | 03 03 00 | 23 | 84 | ... | | | N | Mn | 06 53 13 | 17 | 3 | ... | |
| | N | F | 06 29 ... | ... | ... | ... | | | N | F | 07 34 ... | ... | ... | ... | |
| | E | F | 06 30 ... | ... | ... | ... | | | E | F | 07 36 ... | ... | ... | ... | |
| July 18 | N,E | Mn | 08 42 28 | ... | ... | ... | Seismic activity. | July 19 | N,E | P | 07 50 43 | ... | ... | 11090 | |
| July 18 | N,E | Mn | 16 46 51 | ... | ... | ... | Seismic activity. | | N,E | ScPcs | 08 01 13 | ... | ... | | Aftershock of the great earthquake of July 18 in New Hebrides. |
| | | | | | | | | | N | ScPc Pcs | 08 01 54 | ... | ... | | |
| July 18 | N,E | P' | 17 19 16 | ... | ... | 16420 | Slight. | | N,E | PS | 08 03 36 | ... | ... | | |
| | N,E | PR ₁ | 17 22 44 | ... | ... | ... | Aftershock of the great Panama Earthquake of the 18th. | | N | SR ₁ | 08 09 13 | ... | ... | | |
| | N,E | PR ₂ | 17 26 14 | ... | ... | ... | | | E | eL | 08 26 0 | ... | ... | | |
| | E | P ScPcs | 17 32 57 | ... | ... | ... | | | E | Mn | 08 46 36 | 19 | 9 | ... | |
| | N,E | SR ₁ | 17 41 28 | ... | ... | ... | Epc : 8°·2 N., 82°·2 W. (J. S. A.) | | N | Mn | 08 51 13 | 17 | 9 | ... | |
| | N,E | SR ₂ | 17 47 06 | ... | ... | ... | | | N | F | 10 30 0 | ... | ... | | |
| | N | Mn | 18 33 21 | 23 | 9 | ... | | | E | F | 10 43 0 | ... | ... | | |
| | E | Mn | 18 35 53 | 20 | 9 | ... | | | | | | | | | Seismic activity. |
| | N | F | 19 33 ... | ... | ... | ... | | | | N,E | i | 23 21 57 | ... | ... | |
| | E | F | 19 43 ... | ... | ... | ... | | | | N,E | F | 23 31 0 | ... | ... | |
| | | | | | | | | | | | | | | | |
| July 18-19. | N,E | iP | 19 53 58 | ... | ... | 10910 | Great. | July 20 | N | Mn | 08 05 30 | ... | ... | ... | Seismic activity. |
| | E | e (?) | 19 57 08 | ... | ... | ... | Epc : 16°·8 S., 16°·7 E. (J. S. A.). New Hebrides. | | E | Mn | 08 06 00 | ... | ... | ... | |
| | N,E | P (?) | 19 57 38 | ... | ... | ... | | | | N,E | i | 19 13 01 | ... | ... | Feeble. Distant. |
| | N,E | PR ₂ | 20 00 06 | ... | ... | ... | | | | E | Mn | 19 48 30 | 16 | 3 | |
| | N,E | ScPc Pcs | 20 05 02 | ... | ... | ... | | | | N | Mn | 20 00 34 | 15 | 3 | |
| | N,E | PS | 20 06 38 | ... | ... | ... | | | | N | F | 20 40 0 | ... | ... | |
| | N,E | PPS | 20 07 20 | ... | ... | ... | | | | E | F | 20 45 0 | ... | ... | |
| | N,E | SR ₁ | 20 12 13 | ... | ... | ... | | | | | | | | | |
| | N,E | SR ₂ | 20 16 09 | ... | ... | ... | | | | | | | | | |
| | N | eL | 20 27 58 | ... | ... | ... | | | | | | | | | |
| | E | eL | 20 27 35 | ... | ... | ... | | | | | | | | | |
| | E | Mn | 20 41 21 | 21 | 99 | ... | | | | | | | | | |
| | N | Mn | 20 45 12 | 19 | 99 | ... | | | | | | | | | |
| | N | F | 00 10 ... | ... | ... | ... | | | | | | | | | |
| | E | F | 00 11 ... | ... | ... | ... | | | | | | | | | |
| July 19 | E | e | 00 20 21 | ... | ... | ... | Slight. Very distant. | | N | eP | 06 32 26 | ... | ... | 11100 | Moderate. |
| | E | i | 00 31 02 | ... | ... | ... | | | N | iPR ₁ | 06 36 13 | ... | ... | | |
| | E | Mn | 00 57 30 | ... | ... | ... | | | | ScPcs | 06 43 00 | ... | ... | | |
| | E | F | Mixed up with the following shock. | | | | | | | ScPc Pcs | 06 43 37 | ... | ... | | |
| | | | | | | | | | | SR ₁ | 06 51 05 | ... | ... | | |
| | | | | | | | | | | SR ₂ | 06 55 00 | ... | ... | | |
| | | | | | | | | | | eL | 07 08 0 | ... | ... | | |
| | | | | | | | | | | Mn | 07 30 13 | 19 | 58 | ... | |
| | | | | | | | | | | F | 10 25 0 | ... | ... | | |
| July 19 | N,E | P | 01 37 58 | ... | ... | 6655 | Moderate. | | N | P' | 10 58 43 | ... | ... | 16220 | |
| | N,E | PR ₁ | 01 40 19 | ... | ... | ... | | | N | PR ₁ | 11 01 48 | ... | ... | | |
| | E | PR ₂ | 01 41 22 | ... | ... | ... | Epc : 1° S., 129°·5 E. | | N | ScPc P | 11 02 18 | ... | ... | | |
| | N,E | IS | 01 46 16 | ... | ... | ... | Southeast of Malucca Islands. | | N | ScPcs | 11 08 58 | ... | ... | | |
| | N,E | PS | 01 46 47 | ... | ... | ... | | | N | PPS | 11 12 20 | ... | ... | | |
| | E | SR ₁ | 01 50 22 | ... | ... | ... | | | N | SR ₁ | 11 15 00 | ... | ... | | |
| | N,E | L | 01 57 ... | ... | ... | ... | | | N | SR ₂ | 11 20 35 | ... | ... | | |
| | E | Mn | 02 10 35 | 19 | 21 | ... | | | N | SR ₂ | 11 26 56 | ... | ... | | |
| | N | F | 04 29 ... | ... | ... | ... | | | N | eL | 11 48 ... | ... | ... | | |
| | E | F | 04 39 ... | ... | ... | ... | | | N | Mn | 12 33 05 | 18 | 5 | ... | |
| | | | | | | | | | N | F | 13 22 ... | ... | ... | | |
| | | | | | | | | | N | Mn | 04 09 30 | 16 | 4 | ... | Seismic activity. |

TABLE D 2—contd.

| Date. | Compt. | Phase. | G.M.T. | Period. | Amplitude. | △ | Remarks. | Date. | Compt. | Phase. | G.M.T. | Period. | Amplitude. | △ | Remarks. |
|-------------|--------|-----------------|----------------------------|---------|------------|-------|--|-------------|--------|-----------------|----------------------------|---------|------------|------|--|
| 1934. | | | H. M. S. | Sec. | μ | Km. | | 1934. | | | H. M. S. | Sec. | μ | Km. | |
| July 22 | N | P | 20 00 50 | ... | ... | 1745 | Slight. | Aug. 4 | E | I | 13 19 54 | ... | ... | ... | Feeble. Distant. |
| | N | PR ₁ | 20 01 01 | ... | ... | ... | Epc : 34° N., 71° E. Felt at Srinagar, Gulmarg, Gilgit, Dras, Droshe, Cherat, Peshawar, Rawalpindi, Sialkot, Lahore, Delhi, Amritsar and Dera Ismail Khan. | | N,E | I | 13 24 08 | ... | ... | ... | |
| | N | P* | 20 01 45 | ... | ... | ... | | | N,E | I | 13 29 30 | ... | ... | ... | |
| | N | P (?) | 20 02 38 | ... | ... | ... | | | N,E | F | 14 22 ... | ... | ... | ... | |
| | N | S | 20 03 53 | ... | ... | ... | | | | | | | | | |
| | N | SR ₁ | 20 04 27 | ... | ... | ... | | | | | | | | | |
| | N | I | 20 04 53 | ... | ... | ... | | | | | | | | | |
| | N | L (?) | 20 05 23 | ... | ... | ... | | | | | | | | | |
| | N | F | Masked by microseisms. | | | | | | | | | | | | |
| July 28 | E | P | 02 11 26 | ... | ... | 2355 | Slight. | | | | | | | | |
| | N,E | IS | 02 15 20 | ... | ... | ... | P lost in N-S component in shifting paper. | | N,E | PPS | 04 06 59 | ... | ... | ... | |
| | E | SR ₁ | 02 16 18 | ... | ... | ... | | | N,E | SR ₁ | 04 11 49 | ... | ... | ... | |
| | N,E | iL | 02 17 37 | ... | ... | ... | Epc : 35° N., 87° E. Tibet. | | N,E | SR ₂ | 04 15 49 | ... | ... | ... | |
| | E | Mn | 02 20 52 | 9 | 8 | ... | | | E | Mn | 04 44 27 | 18 | 9 | ... | |
| | N | Mn | 02 21 22 | 7 | 6 | ... | | | N | Mn | 04 49 08 | 19 | 10 | ... | |
| | N,E | F | Mixed up with microseisms. | | | | | | N | F | 06 31 ... | ... | ... | ... | |
| July 28-29. | E | P | 21 50 25 | ... | ... | 10690 | Moderate. | Aug. 7 | N,E | e | 12 00 49 | ... | ... | ... | Slight. Near. |
| * | E | PR | 21 54 08 | ... | ... | ... | N—out of order. | | E | i | 12 03 54 | ... | ... | ... | |
| | E | PR | 21 56 25 | ... | ... | ... | Epc : 55° 1' N., 154° 8' W. (J. S. A.) South of Alaska. | | N,E | eL (?) | 12 05 30 | ... | ... | ... | |
| | E | SePeS | 22 00 54 | ... | ... | ... | | | N | Mn | 12 08 36 | 11 | 13 | ... | |
| | E | PS | 22 02 58 | ... | ... | ... | | | E | Mn | 12 08 30 | 13 | 11 | ... | |
| | E | SR ₁ | 22 08 30 | ... | ... | ... | | | N,E | F | Mixed up with microseisms. | | | | |
| | E | eL | 22 23 30 | ... | ... | ... | | | | | | | | | |
| | E | Mn | 22 36 28 | 23 | 53 | ... | | | | | | | | | |
| | E | F | 00 36 ... | ... | ... | ... | | | | | | | | | |
| July 30 | N | i | 03 38 ... | ... | ... | ... | Slight. | Aug. 11 | N,E | P | 08 26 43 | ... | ... | 5045 | Slight. |
| | E | Mn | 03 44 25 | ... | ... | ... | | | N,E | S | 08 33 30 | ... | ... | | |
| | N,E | F | Masked by microseisms. | | | | | | N,E | SR ₂ | 08 37 26 | ... | ... | | Epc : 24° 7' N., 121° 7' E. (Manila), Formosa Islands. |
| Jluy 31 | N,E | i | 06 13 28 1 | ... | I | 1 | Seismic activity. | | N,E | Mn | 08 45 11 | 15 | 21 | ... | |
| | N,E | F | Masked by microseisms. | | | | | | N,E | F | Masked by microseisms. | | | | |
| July 31 | N,E | i | 11 09 17 | ... | ... | ... | Seismic activity. | Aug. 11 | E | e | 12 10 ... | ... | ... | ... | Slight. Distant. |
| | N | Mn | 11 15 27 | ... | ... | ... | | | N,E | i | 12 20 11 | ... | ... | ... | |
| | E | Mn | 11 14 20 | ... | ... | ... | | | E | Mn | 12 48 27 | 15 | 3 | ... | |
| July 31 | N,E | P | 11 55 07 | ... | ... | 2955 | Slight. | | N | F | 13 22 ... | ... | ... | ... | |
| | N,E | PR ₁ | 11 55 44 | ... | ... | ... | Epc : 5° N., 90° E. North Sumatra. | Aug. 12-13. | N,E | iP | 23 58 37 | ... | ... | 5865 | Moderate. |
| | N,E | PR ₂ | 11 56 04 | ... | ... | ... | | | E | PR ₁ | 00 00 41 | ... | ... | | Epc : 7° 6' N., 126° 2' E. (J. S. A.). |
| | N,E | S | 11 59 47 | ... | ... | ... | | | N | PR ₂ | 00 01 40 | ... | ... | | |
| | N,E | SR ₁ | 12 01 01 | ... | ... | ... | | | N | S | 00 06 12 | ... | ... | | Mindanao Islands. |
| | N,E | eL | 12 03 ... | ... | ... | ... | | | E | S | 00 06 08 | ... | ... | | |
| | N | Mn | 12 06 20 | ... | ... | ... | | | N,E | PS | 00 06 44 | ... | ... | | |
| | E | Mn | 12 06 31 | 17 | 6 | ... | | | N,E | SR ₁ | 00 09 44 | ... | ... | | |
| | N,E | F | Masked by microseisms. | | | | | | N,E | SR ₂ | 00 11 14 | ... | ... | | |
| Aug. 2 | N | Mn | 08 12 18 | ... | ... | ... | Seismic activity. | | N | L | 00 15 ... | ... | ... | | |
| | E | Mn | 08 13 ... | ... | ... | ... | | | E | L | 00 15 26 | ... | ... | | |

TABLE D 2—*contd.*

| Date. | Compt. | Phase. | G.M.T. | Period. | Amplitude. | △ | Remarks. | Date. | Compt. | Phase. | G.M.T. | Period. | Amplitude. | △ | Remarks. |
|-------------|--------|-----------------|------------------------|---------|------------|------|---|---------|--------|-----------------|-----------|---------|------------|------|--|
| 1934. | | | H. M. S. | Sec. | μ | Km. | | 1934. | | | H. M. S. | Sec. | μ | Km. | |
| Aug. 12-13 | N | Mn | 00 29 08 | 16 | 16 | ... | | Aug. 31 | N,E | SR ₁ | 15 06 54 | ... | ... | ... | |
| | N | F | 01 30 ... | ... | ... | ... | | | N,E | L | 15 07 51 | ... | ... | ... | |
| | E | F | 01 45 ... | ... | ... | ... | | | E | Mn | 15 08 41 | 8 | 30 | ... | |
| Aug. 18 | N | Mn | 03 14 ... | ... | ... | ... | Seismic activity. | | N | Mn | 15 10 37 | 8 | 36 | ... | |
| | E | Mn | 03 17 23 | ... | ... | ... | | | N | F | 16 57 ... | ... | ... | ... | |
| Aug. 21 | N,E | e | 19 32 54 | ... | ... | 3890 | Slight. △ from(SR ₂) Interval. Epc: South Sumatra's West Coast (Batavia). | Aug. 31 | N | e | 17 54 ... | ... | ... | ... | Tremors. |
| | N,E | S | 19 37 40 | ... | ... | ... | | | E | * | 17 55 ... | ... | ... | ... | |
| | N,E | SR ₂ | 19 40 01 | ... | ... | ... | | | N | f | 18 07 ... | ... | ... | ... | |
| | E | Mn | 19 45 24 | 17 | 9 | ... | | | E | f | 18 05 ... | ... | ... | ... | |
| | N | Mn | 19 47 09 | 15 | 7 | ... | | Sept. 1 | N | e | 08 21 ... | ... | ... | ... | Tremors. |
| | N,E | F | Masked by microseisms. | | | | | | E | e | 08 24 ... | ... | ... | ... | |
| Aug. 22 | N,E | e | 10 41 ... | ... | ... | ... | Seismic activity. | | N | f | 08 43 ... | ... | ... | ... | |
| | N | f | 10 55 ... | ... | ... | ... | | | E | f | 08 40 ... | ... | ... | ... | |
| | E | f | 10 53 ... | ... | ... | ... | | Sept. 1 | N,E | e | 12 40 ... | ... | ... | ... | Feeble. Near |
| Aug. 23-24. | E | i | 23 54 39 | ... | ... | ... | Slight. Distant. | | E | i | 12 42 12 | ... | ... | ... | |
| | N,E | i | 00 12 59 | ... | ... | ... | | | N | Mn | 12 44 27 | ... | ... | ... | |
| | E | Mn | 00 57 16 | 15 | 2 | ... | | | N | F | 12 56 ... | ... | ... | ... | |
| | N | Mn | 01 01 ... | ... | ... | ... | | | E | F | 12 54 ... | ... | ... | ... | |
| | N,E | F | 01 30 ... | ... | ... | ... | | Sept. 3 | N | e | 10 23 56 | ... | ... | ... | Feeble. Near. |
| | N,E | i | 17 41 13 | ... | ... | ... | Slight. Distant. | | E | i | 10 27 40 | ... | ... | ... | |
| Aug. 26 | E | Mn | 17 53 15 | ... | ... | ... | | | N | Mn | 10 33 59 | ... | ... | ... | |
| | N | Mn | 17 54 16 | ... | ... | ... | | | N | F | 10 46 ... | ... | ... | ... | |
| | N | F | 18 10 ... | ... | ... | ... | | | E | F | 10 48 ... | ... | ... | ... | |
| | E | F | 18 17 ... | ... | ... | ... | | Sept. 4 | E | e | 16 49 14 | ... | ... | ... | Feeble. Distant. |
| | N,E | i | 03 48 13 | ... | ... | ... | Feeble. Beginning doubtful. Felt locally at Shambalpur, Muzaffarpur and Benares. | | N,E | i | 16 52 56 | ... | ... | ... | |
| | N | Mn | 03 50 14 | 2 | 10 | ... | | | N | Mn | 17 39 ... | 15 | 4 | ... | |
| | E | Mn | 03 50 14 | 2 | 4 | ... | | | E | Mn | 17 34 ... | 17 | 3 | ... | |
| | N | F | 04 01 ... | ... | ... | ... | | | E | F | 18 39 ... | ... | ... | ... | |
| | E | F | 04 05 ... | ... | ... | ... | | Sept. 5 | N,E | i | 18 44 ... | ... | ... | ... | |
| | N,E | P | 05 15 29 | ... | ... | 9620 | Slight. | | N,E | i | 02 29 45 | ... | ... | ... | Feeble. |
| | E | PR ₁ | 05 18 51 | ... | ... | ... | Epc: 71° N., 70° W. (J. S. A.). | | N | F | 02 47 ... | ... | ... | ... | |
| | N | PR ₂ | 05 20 46 | ... | ... | ... | Baffin Bay. | | N | F | 02 48 ... | ... | ... | ... | |
| | N,E | ScPeS | 05 25 44 | ... | ... | ... | | Sept. 6 | N,E | i | 02 38 15 | ... | ... | ... | Feeble. |
| | N | S | 05 26 08 | ... | ... | ... | | | N,E | i | 02 35 27 | ... | ... | ... | |
| | N,E | PPS | 05 27 28 | ... | ... | ... | | | N | F | 03 07 ... | ... | ... | ... | |
| | N,E | SR ₁ | 05 32 04 | ... | ... | ... | | | E | F | 03 08 ... | ... | ... | ... | |
| | E | cL | 05 43 ... | ... | ... | ... | | | | | | | | | |
| | N | Mn | 05 59 23 | 20 | 6 | ... | | Sept. 8 | N | eP | 06 49 86 | ... | ... | 2265 | Slight. |
| | E | Mn | 05 50 27 | 23 | 8 | ... | | | N,E | S | 06 53 23 | ... | ... | ... | Epc: After shock of the Pamir Plateau earthquake of Aug. 1931. |
| | N | F | 07 08 ... | ... | ... | ... | | | N,E | eL | 06 55 30 | ... | ... | ... | |
| | E | F | 07 39 ... | ... | ... | ... | | | N | Mn | 06 58 30 | 7 | 2 | ... | |
| Aug. 31 | N,E | iP | 15 02 21 | ... | ... | 2280 | Moderate. | | E | F | 07 15 ... | ... | ... | ... | |
| | N,E | PR ₁ | 15 02 40 | ... | ... | ... | Epc: 39° N., 75° E. Pamir Plateau. | Sept. 8 | N | F | 07 17 ... | ... | ... | ... | |
| | N,E | | 15 06 09 | ... | ... | ... | | | N | Mn | 14 18 ... | ... | ... | ... | Seismic activity. |

TABLE D 2—*contd.*

| Date. | Compt. | Phase. | G.M.T. | Period. | Amplitude. | △ | Remarks. | Date. | Compt. | Phase. | G.M.T. | Period. | Amplitude. | △ | Remarks. |
|----------|--------|---------------------|-----------|---------|------------|------|--|---------|--------|-----------------|-----------|---------|------------|------|-----------------------------|
| 1934. | | | H. M. S. | Sec. | μ | Km. | | 1934. | | H. M. S. | Sec. | μ | Km. | | |
| Sept. 9 | N | e | 05 04 ... | ... | ... | ... | Tremors. | Oct. 5 | N,E | i | 20 36 28 | ... | ... | ... | Slight. |
| | N | f | 05 23 ... | ... | ... | ... | E—out of order. | | N,E | e | 20 45 ... | ... | ... | ... | |
| Sept. 11 | N,E | i | 08 31 ... | ... | ... | ... | Seismic activity. | | N | Mn | 21 06 52 | 16 | 4 | ... | |
| | E | F | 08 55 ... | ... | ... | ... | | | E | Mn | 21 06 26 | 14 | 2 | ... | |
| Sept. 11 | N,E | i | 14 17 32 | ... | ... | ... | Seismic activity. | | N | F | 21 34 ... | ... | ... | ... | |
| | | | | | | | | | E | F | 21 35 ... | ... | ... | ... | |
| Sept. 12 | E | Mn | 15 01 30 | ... | ... | ... | Seismic activity. | Oct. 5 | N | Mn | 22 32 33 | ... | ... | ... | Probably seismic. |
| | | | | | | | N—out of order. | | E | Mn | 22 30 30 | ... | ... | ... | |
| Sept. 12 | E | Mn | 19 17 30 | ... | ... | ... | Seismic activity. | Oct. 6 | N | Mn | 14 20 15 | 13 | 2 | ... | Seismic activity |
| | | | | | | | N—out of order. | | E | Mn | 14 20 20 | 13 | 1 | ... | |
| Sept. 13 | N,E | Mn | 14 52 40 | ... | ... | ... | Seismic activity. | Oct. 10 | N,E | e | 16 00 30 | ... | ... | ... | Slight. Distant. |
| | | | | | | | | | N,E | e | 16 02 31 | ... | ... | ... | Beginning uncertain. |
| Sept. 16 | N,E | Mn | 06 40 ... | ... | ... | ... | Feeble seismic activity. | | N,E | i | 16 05 38 | ... | ... | ... | L—waves poor. |
| | | | | | | | | | N,E | i | 16 06 46 | ... | ... | ... | |
| Sept. 16 | N,E | Mn | 13 48 15 | ... | ... | ... | Feeble seismic activity. | | N,E | i | 16 07 37 | ... | ... | ... | |
| | | | | | | | | | N,E | i | 16 09 12 | ... | ... | ... | |
| Sept. 17 | N,E | i | 17 26 23 | ... | ... | ... | Feeble seismic activity. | | N | F | 17 46 ... | ... | ... | ... | |
| | | | | | | | | | E | F | 17 49 ... | ... | ... | ... | |
| Sept. 17 | N | i | 18 52 02 | ... | ... | ... | Feeble seismic activity. | | | | | | | | |
| | E | i | 18 49 30 | ... | ... | ... | | Oct. 15 | E | e | 08 32 ... | ... | ... | ... | Slight. |
| Sept. 21 | N,E | eP | 12 45 09 | ... | ... | 3455 | Slight. Probably deep focus. | | N | e | 08 37 ... | ... | ... | ... | |
| | N,E | e | 12 48 41 | ... | ... | ... | Maximum movements near SR ₁ . | | E | Mn | 08 46 52 | 7 | 1 | ... | |
| | N,E | IS (?) | 12 50 22 | ... | ... | ... | Epc: 3° N., 100° E., North Sumatra. | | N,E | F | 09 06 ... | ... | ... | ... | |
| | N,E | SR ₁ (?) | 12 52 18 | ... | ... | ... | | | | | | | | | |
| | N | F | 13 50 ... | ... | ... | ... | | Oct. 18 | E | e | 08 01 29 | ... | ... | ... | Slight. Distant. |
| | E | F | 13 42 ... | ... | ... | ... | Felt in Tapanoeli (Batavia). | | N | e | 08 01 36 | ... | ... | ... | Time uncertain. |
| Sept. 23 | N,E | e | 01 33 ... | ... | ... | ... | Seismic activity. | | N | Mn | 08 47 46 | 16 | 3 | ... | |
| | N,E | F | 01 47 ... | ... | ... | ... | | | N | F | 09 55 ... | ... | ... | ... | |
| Sept. 23 | N | Mn | 09 08 14 | ... | ... | ... | Seismic activity. | Oct. 19 | N,E | iP | 21 02 13 | ... | ... | 1690 | Slight. |
| | E | Mn | 09 07 29 | ... | ... | ... | | | N,E | IS | 21 05 11 | ... | ... | | Epc.: 32° N., 81° E. Tibet. |
| Sept. 24 | N | Mn | 11 33 30 | ... | ... | ... | Seismic activity. | | E | SR ₁ | 21 05 36 | ... | ... | ... | |
| | E | Mn | 11 38 25 | ... | ... | ... | | | N | SR ₁ | 21 05 40 | ... | ... | ... | |
| Sept. 25 | N,E | i | 19 26 38 | ... | ... | ... | Feeble. | | E | L | 21 06 15 | ... | ... | ... | |
| | N | Mn | 19 37 23 | ... | ... | ... | | | N | Mn | 21 07 44 | 9 | 17 | ... | |
| | E | Mn | 19 37 15 | ... | ... | ... | | | N | Mn | 21 07 46 | 13 | 19 | ... | |
| | N,E | F | 20 02 ... | ... | ... | ... | | | N,E | F | 21 44 ... | ... | ... | ... | |
| Sept. 25 | N,E | e | 23 32 ... | ... | ... | ... | Feeble. | Oct. 20 | N | e | 08 21 ... | ... | ... | ... | Slight. |
| | N,E | Mn | 23 36 30 | ... | ... | ... | | | N | Mn | 08 26 30 | ... | ... | ... | |
| | N | F | 23 55 ... | ... | ... | ... | | | E | Mn | 08 28 40 | ... | ... | ... | |
| | E | F | 23 57 ... | ... | ... | ... | | | N,E | F | 08 41 ... | ... | ... | ... | |
| Sept. 26 | N,E | e | 01 11 ... | ... | ... | ... | Feeble. | | | | | | | | |
| | E | F | 01 38 ... | ... | ... | ... | Feeble locally at Lahore, Peshawar, Drosb, Srinagar and Gulmarg. | | N,E | iP | 18 04 26 | ... | ... | 7110 | Slight. |
| | N | F | 01 40 ... | ... | ... | ... | | | N,E | IS | 18 13 09 | ... | ... | ... | |
| Sept. 26 | N | Mn | 08 33 29 | ... | ... | ... | Seismic activity. | | N,E | PS | 18 14 03 | ... | ... | ... | |
| | E | Mn | 08 34 20 | ... | ... | ... | | | N,E | SR ₁ | 18 17 37 | ... | ... | ... | |
| Sept. 27 | N,E | e | 23 00 ... | ... | ... | ... | Tremors. | | N | F | 19 01 ... | ... | ... | ... | |
| | N,E | f | 23 15 ... | ... | ... | ... | | | E | F | 19 04 ... | ... | ... | ... | |

TABLE D 2—*contd.*

| Date. | Compt. | Phase. | G.M.T. | Period. | Amplitude. | △ | Remarks. | Date. | Compt. | Phase. | G.M.T. | Period. | Amplitude. | △ | Remarks. |
|----------|--------|-----------------|---------------|---------|------------|---|---|-------------|--------|---------------------|---------------|---------|------------|---|---|
| 1934. | | | H. M. S. Sec. | μ | Km. | | | 1934. | | | H. M. S. Sec. | μ | Km. | | |
| Oct. 22 | N,E | e | 01 07 ... | ... | ... | | Feeble. Near. | Nov. 12 | N,E | iP | 07 26 12 | ... | 3745 | | Slight. |
| | N,E | f | 01 26 ... | ... | ... | | | | N,E | iS | 07 31 43 | ... | ... | | Epo: 53° N., 69° E., North of Russian Turkistan. |
| Oct. 25 | N,E | e | 01 40 19 | ... | ... | | Slight. Near. | | N | iL | 07 36 21 | ... | ... | | |
| | N,E | i | 01 42 43 | ... | ... | | | | E | eL | 07 37 ... | ... | ... | | |
| | E | Mn | 01 44 47 | 9 | 2 | | | | N | Mn | 07 41 22 | 18 | 9 | | |
| | E | F | 01 58 ... | ... | ... | | | | E | Mn | 07 41 28 | 15 | 5 | | |
| | N | F | 02 02 ... | ... | ... | | | | N | F | 08 40 ... | ... | ... | | |
| Oct. 26 | N,E | P | 14 53 08 | ... | 5400 | | Slight. | Nov. 13 | N | e | 11 58 ... | ... | ... | | Tremors. |
| | N,E | iS | 15 00 15 | ... | ... | | Epo: 0° O. West of Borneo. | | E | e | 12 00 ... | ... | ... | | |
| | N,E | i | 15 02 03 | ... | ... | | | | N | F | 12 13 ... | ... | ... | | |
| | E | SR ₁ | 15 03 52 | ... | ... | | | | E | F | 12 15 ... | ... | ... | | |
| | N | F | 15 53 ... | ... | ... | | | Nov. 15 | N,E | P | 23 18 49 | ... | 1865 | | Slight. |
| | E | F | 15 50 ... | ... | ... | | | | N | PR ₂ (?) | 23 19 13 | ... | ... | | Epo: 36° N., 74° E. Kashmir. |
| Oct. 26 | N,E | iP | 17 20 30 | ... | 5865 | | Slight. | | N,E | S | 23 22 05 | ... | ... | | Felt locally at Drosch and Srinagar. |
| | N,E | iS | 17 28 03 | ... | ... | | Epo: 32° N., 129° E. West of Kinsen Islands (Japan). | | E | eL | 23 23 ... | ... | ... | | |
| | N | eL | 17 37 ... | ... | ... | | | | N,E | F | 23 49 ... | ... | ... | | |
| | E | eL | 17 40 ... | ... | ... | | | Nov. 16 | N,E | e | 13 55 ... | ... | ... | | Feeble. Distant. |
| | E | Mn | 17 48 37 | 15 | 4 | | | | N,E | i | 14 04 39 | ... | ... | | |
| | N | Mn | 17 49 38 | 12 | 3 | | | | N | Mn | 14 55 23 | 15 | 3 | | |
| | N | F | 18 47 ... | ... | ... | | | | E | F | 15 26 ... | ... | ... | | |
| | E | F | 18 48 ... | ... | ... | | | | N | F | 15 53 ... | ... | ... | | |
| Oct. 27 | E | Mn | 11 11 18 | ... | ... | | Seismic activity. | Nov. 18 | N,E | iP | 03 25 15 | ... | 1820 | | Moderate. |
| | N | Mn | 11 12 10 | 15 | 2 | | | | N,E | iP* (?) | 03 26 17 | ... | ... | | Epo: 34° 5N., 72° 5E. North-West Frontier |
| Oct. 29 | N,E | P | 16 21 56 | ... | 3520 | | Slight. | | N,E | PR ₂ (?) | 03 27 02 | ... | ... | | Felt strongly at Drosch, Srinagar, Rawalpindi and Peshawar. |
| | N,E | S | 16 27 13 | ... | ... | | | | N,E | eS | 03 28 25 | ... | ... | | |
| | N | F | 17 21 ... | ... | ... | | | | N,E | SR ₁ | 03 29 03 | ... | ... | | |
| | E | F | 17 20 ... | ... | ... | | | | N,E | eL | 03 30 ... | ... | ... | | |
| Nov. 2 | N,E | e | 15 27 ... | ... | ... | | Tremors. | | E | Mn | 03 30 53 | ... | ... | | |
| | N,E | f | 15 34 ... | ... | ... | | Mixed up with microseisms. | | N,E | F | 04 47 ... | ... | ... | | |
| Nov. 3 | N,E | e | 06 56 ... | ... | ... | | Tremors. Mixed up with microseisms. | Nov. 18 | N,E | e | 09 30 03 | ... | ... | | Slight. Distant. |
| | E | f | 07 02 ... | ... | ... | | | | E | Mn | 10 05 46 | ... | ... | | |
| | N | f | 07 07 ... | ... | ... | | | | E | F | 10 22 ... | ... | ... | | |
| Nov. 4 | E | i | 02 12 43 | ... | ... | | Slight. Distant. | | N | F | 10 32 ... | ... | ... | | |
| | N | Mn | 03 04 ... | 15 | 7 | | | | N,E | iP | 22 52 33 | ... | 9450 | | Slight. |
| | E | Mn | 02 53 30 | 17 | 3 | | | | E | PR ₁ | 22 55 50 | ... | ... | | Epo: 1° S., 155° E. North of New Ireland (Pacific). |
| | E | F | 05 51 ... | ... | ... | | | | N,E | ScPcS | 23 02 42 | ... | ... | | |
| | N | F | 05 53 ... | ... | ... | | | Nov. 18-19. | N,E | eS | 23 08 05 | ... | ... | | |
| Nov. 5-6 | N,E | iP | 23 15 16 | ... | 10020 | | Slight. | | E | SR ₁ | 23 08 48 | ... | ... | | |
| | E | ScPcS | 23 25 34 | ... | ... | | Epo: 53° 2N., 176° 7W. (J.S.A.). North of Aleutian Islands. | | E | eL | 23 20 35 | ... | ... | | |
| | N | ScPc PeS | 23 26 03 | ... | ... | | | | N | F | 00 18 ... | ... | ... | | |
| | N,E | iS | 23 26 10 | ... | ... | | | | E | F | 00 01 ... | ... | ... | | |
| | N,E | SR ₁ | 23 32 20 | ... | ... | | | | N,E | e | 02 51 ... | ... | ... | | Tremors. |
| | N | Mn | 23 51 18 | 19 | 6 | | | | N | F | 03 08 ... | ... | ... | | |
| | E | Mn | 23 57 30 | 19 | 8 | | | Nov. 19 | N,E | F | 03 10 ... | ... | ... | | |
| | E | F | 00 54 ... | ... | ... | | | | E | F | 03 10 ... | ... | ... | | |
| | N | F | 01 04 ... | ... | ... | | | | E | F | 03 10 ... | ... | ... | | |

TABLE D 2—*contd.*

| Date. | Compt. | Phase. | G. M. T. | Period. | Amp.itude. | △ | Remarks. | Date. | Compt. | Phase. | G. M. T. | Period. | Amp.itude. | △ | Remarks. | |
|---------|--------|-----------------|------------------------|---------|------------|-------|---|---------|--------|---------------------|------------------------|---------|------------|------|--|--|
| 1934. | | | H. M. S. | Sec. | μ | Km. | | 1934. | | | H. M. S. | Sec. | μ | Km. | | |
| Nov. 19 | N,E | e | 10 06 ... | ... | ... | ... | Tremors. | Dec. 4 | E | F | 10 20 ... | ... | ... | ... | Northern Chile. Time uncertain owing to failure of time marks. | |
| | E | f | 10 25 ... | ... | ... | ... | | | | | | | | | | |
| | N | t | 10 26 ... | ... | ... | ... | | | | | | | | | | |
| Nov. 22 | N | e | 22 31 ... | ... | ... | ... | Probably seismic. | Dec. 5 | N,E | e | 21 38 18 | ... | ... | ... | Seismic activity. | |
| | E | i | 22 31 18 | ... | ... | ... | | Dec. 9 | E | cP | 11 26 36 | ... | ... | 5010 | Slight. | |
| | E | F | 22 53 ... | ... | ... | ... | | | E | S | 11 33 06 | ... | ... | ... | N-out of order. | |
| | N | F | 22 56 ... | ... | ... | ... | | | E | SR ₁ | 11 36 06 | ... | ... | ... | | |
| Nov. 23 | N,E | e | 09 45 ... | ... | ... | ... | Feeble. Distant. | | E | SR ₂ | 11 36 13 | ... | ... | ... | | |
| | E | F | 10 02 ... | ... | ... | ... | | | E | cL | 11 40 20 | ... | ... | ... | | |
| | N | F | 10 03 ... | ... | ... | ... | | | E | F | 12 06 ... | ... | ... | ... | | |
| Nov. 24 | N,E | e | 12 51 ... | ... | ... | ... | Feeble. Distant. | Dec. 12 | N | e | 09 01 ... | ... | ... | ... | Tremors. | |
| | E | F | 14 06 ... | ... | ... | ... | | | E | e | 08 59 ... | ... | ... | ... | | |
| | | | | | | | | | N,E | f | 09 24 ... | ... | ... | ... | | |
| Nov. 26 | N,E | P | 12 17 35 | ... | ... | 4845 | Slight. | Dec. 13 | N,E | e | 01 12 ... | ... | ... | ... | Scismic activity. | |
| | E | PR ₁ | 12 19 15 | ... | ... | ... | L-waves poor. | | E | f | 01 34 ... | ... | ... | ... | | |
| | N,E | iS | 12 24 11 | ... | ... | ... | Epc: 14°N., 118° E. West of Philippines. | | N | f | 01 32 ... | ... | ... | ... | | |
| | N,E | SR ₁ | 12 27 11 | ... | ... | ... | | Dec. 14 | E | cP | 20 46 49 | ... | ... | 2065 | Slight. | |
| | N | cL | 12 31 35 | ... | ... | ... | | | N,E | iP | 20 47 04 | ... | ... | ... | | |
| | N | F | 12 49 ... | ... | ... | ... | Feeble. Seismic movements. | | N,E | eS | 20 50 20 | ... | ... | ... | | |
| Nov. 27 | N,E | e | 01 30 ... | ... | ... | ... | | | N,E | iS | 20 50 36 | ... | ... | ... | | |
| Nov. 27 | N,E | P | 06 23 44 | ... | ... | 6155 | Slight. | | N,E | SR ₁ | 20 51 14 | ... | ... | ... | | |
| | N,E | iS | 06 31 32 | ... | ... | ... | Epc: 4°N., 120°7' E. South of Mindanao Islands. | | N,E | SR ₂ (?) | 20 51 31 | ... | ... | ... | | |
| | E | SR ₁ | 06 35 34 | ... | ... | ... | | | N,E | cL | 20 52 ... | ... | ... | ... | | |
| | N | L | 06 40 44 | ... | ... | ... | | | N | Mn | 20 53 30 | 10 12 | ... | ... | | |
| | N | Mn | 06 47 03 | 10 | 16 | ... | | | N | Mn | 20 54 52 | 7 5 | ... | ... | | |
| | N | F | 08 30 ... | ... | ... | ... | | | N | F | Masked by microseisms. | | | | | |
| Nov. 29 | N | Mn | 22 49 21 | 11 | 3 | ... | Seismic activity. | | E | F | 21 21 ... | ... | ... | ... | | |
| | E | Mn | 22 48 30 | ... | ... | ... | | Dec. 15 | N | iP | 02 02 01 | ... | ... | 2065 | Very great. | |
| Nov. 30 | E | cP ¹ | 02 24 46 | ... | ... | 15780 | Slight. | | N | IPR ₁ | 02 02 19 | ... | ... | ... | | |
| | E | PR ₁ | 02 27 36 | ... | ... | ... | Epc: 18°5'N., 105°W. (J. S. A.). Mexico. | | N | P* | 02 03 17 | ... | ... | | | |
| | E | ScPcP | 02 28 08 | ... | ... | ... | | | N | P | 02 04 04 | ... | ... | | | |
| | E | PR ₂ | 02 31 ... | ... | ... | ... | | | N,E | iS | 02 05 32 | ... | ... | | | |
| | E | SR ₁ | 02 46 10 | ... | ... | ... | N-lost during shift. | | N,E | SR ₁ | 02 06 10 | ... | ... | ... | | |
| Nov. 30 | N,E | Mn | 21 44 ... | ... | ... | ... | Seismic activity. | | N | L | 02 07 06 | ... | ... | ... | | |
| Dec. 2 | N,E | i | 16 49 16 | ... | ... | ... | | | N | F | 05 30 ... | ... | ... | ... | | |
| | E | i | 16 53 40 | ... | ... | ... | | | E | F | 05 39 ... | ... | ... | ... | | |
| | N,E | i | 16 55 11 | ... | ... | ... | | | | | | | | | | |
| Dec. 3 | N,E | i | 02 58 ... | ... | ... | ... | Feeble. Very distant. | | | | | | | | | |
| | N | F | 05 05 ... | ... | ... | ... | | Dec. 15 | N | Mn | 06 39 40 | ... | ... | ... | | |
| | E | F | Masked by microseisms. | | | | | | | | | | | | Probably aftershock of Tibetan shock of 15th December 1934. | |
| Dec. 4 | N,E | P' | 17 43 44 | ... | ... | 17000 | Slight. | Dec. 15 | N | Mn | 07 23 12 | ... | ... | ... | | |
| | E | PR ₁ | 17 47 44 | ... | ... | ... | Epc: 19° S., 70° W. (U. S. C. G. S.). | | N | Mn | 07 23 16 | ... | ... | ... | | |
| | E | ScPcPcs | 17 54 14 | ... | ... | ... | | | | | | | | | Probably aftershock of Tibetan shock of 15th December 1934. | |

TABLE D 2—*contd.*

| Date. | Compt. | Phase. | G.M.T. | Period. | Amplitude. | △ | Remarks. | Date. | Compt. | Phase. | G.M.T. | Period. | Amplitude. | △ | Remarks. | |
|------------|--------|--------|-----------|---------|------------|------|---|---------|---------|-----------------|-----------|----------|------------|------|---|-----------|
| 1934. | | | H. M. S. | Sec. | μ | Km. | | 1934. | | | H. M. S. | Sec. | μ | Km. | | |
| Dec. 15 | N | Mn | 07 36 20 | ... | ... | ... | Probably aftershock of Tibetan shock of 15th December 1934. | Dec. 17 | N | F | 09 41 ... | ... | ... | ... | | |
| | E | Mn | 07 36 37 | ... | ... | ... | | | E | F | 09 43 ... | ... | ... | ... | | |
| Dec. 15 | N | Mn | 09 07 40 | ... | ... | ... | Probably after shock of Tibetan shock of 15th December 1934. | Dec. 17 | N | Mn | 14 53 15 | 8 | 2 | ... | Aftershock of the Tibetan shock of 15th December 1934. | |
| | | | | | | | | | E | Mn | 14 53 11 | 8 | 1 | ... | | |
| | | | | | | | | | N,E | F | 15 09 ... | ... | ... | ... | | |
| Dec. 15 | N | Mn | 10 39 35 | ... | ... | ... | Probably aftershock of Tibetan shock of 15th December 1934. | Dec. 17 | N,E | eP | 16 04 38 | ... | ... | 8565 | Slight. | |
| | E | Mn | 10 39 45 | ... | ... | ... | | | E | PR ₁ | 16 07 40 | ... | ... | ... | Epc: 6° 5 N., 145° E. British New Guinea. | |
| Dec. 15 | N,E | e | 17 57 20 | ... | ... | ... | Slight. Aftershock of the Tibetan shock of 15th December 1934. | | E | PR ₂ | 16 09 17 | ... | ... | ... | | |
| | N,E | e | 18 00 57 | ... | ... | ... | | | N,E | iS | 16 14 25 | ... | ... | ... | | |
| | N | Mn | 18 05 17 | 9 | 4 | ... | | | N,E | PS | 16 15 10 | ... | ... | ... | | |
| | E | Mn | 18 05 15 | 7 | 2 | ... | | | N,E | SR ₁ | 16 19 31 | ... | ... | ... | | |
| | N | F | 18 22 | ... | ... | ... | | | N,E | SR ₂ | 16 22 40 | ... | ... | ... | | |
| | E | F | 18 24 | ... | ... | ... | | | N,E | eL | 16 29 ... | ... | ... | ... | | |
| Dec. 15 | N,E | i | 19 38 06 | ... | ... | ... | Slight. Distant. | | N | F | 17 39 ... | ... | ... | ... | | |
| | N,E | i | 19 39 12 | ... | ... | ... | | | E | F | 17 40 ... | ... | ... | ... | | |
| | N,E | F | 20 32 ... | ... | ... | ... | | Dec. 17 | N | Mn | 22 43 45 | 8 | 2 | ... | Probably aftershock of the Tibetan shock of 15th December 1934. | |
| | | | | | | | | | E | Mn | 22 43 43 | 8 | 1 | ... | | |
| Dec. 16 | N | Mn | 00 40 12 | 7 | 3 | ... | Aftershock of the Tibetan shock of 15th December 1934. | | N,E | F | 22 59 ... | ... | ... | ... | | |
| | E | Mn | 00 40 07 | 7 | 1 | ... | | | Dec. 18 | N,E | iP | 11 26 44 | ... | ... | 2145 | Moderate. |
| Dec. 16 | N,E | e | 16 18 58 | ... | ... | ... | Aftershock of the Tibetan shock of 15th December 1934. | | N,E | iS | 11 30 21 | ... | ... | ... | Epc: 32° N., 88° E. South Tibet. | |
| | E | Mn | 16 22 48 | ... | ... | ... | | | N,E | SR ₁ | 11 31 01 | ... | ... | ... | | |
| | N | Mn | 16 23 09 | ... | ... | ... | | | N,E | L | 11 31 49 | ... | ... | ... | | |
| | E | F | 16 34 | ... | ... | ... | | | N | Mn | 11 34 44 | 8 | 28 | ... | | |
| | N | F | 16 35 | ... | ... | ... | | | E | Mn | 11 34 26 | 8 | 14 | ... | | |
| Dec. 16 | N | e | 19 18 | ... | ... | ... | Tremore. | Dec. 19 | N | Mn | 03 15 12 | 8 | 2 | ... | Aftershock. | |
| | E | e | 19 16 | ... | ... | ... | | | E | Mn | 03 16 12 | 7 | 1 | ... | | |
| | E | f | 19 35 | ... | ... | ... | | | N,E | F | 03 32 ... | ... | ... | ... | | |
| | N | f | 19 37 | ... | ... | ... | | | | | | | | | | |
| Dec. 16-17 | N,E | eP | 23 39 46 | ... | ... | 2080 | Slight. Aftershock of the Tibetan shock of 15th December 1934. | Dec. 21 | N,E | eP | 06 39 08 | ... | ... | 2110 | Slight. | |
| | N,E | eS | 23 43 18 | ... | ... | ... | | | N,E | iS | 06 42 42 | ... | ... | ... | Epc: Tibet. After-shock. | |
| | N | eL | 23 45 20 | ... | ... | ... | | | N | SR ₁ | 06 43 20 | ... | ... | ... | | |
| | E | eL | 23 44 57 | ... | ... | ... | | | N,E | eL | 06 44 ... | ... | ... | ... | | |
| | N | Mn | 23 47 35 | 7 | 3 | ... | | | N | Mn | 06 47 01 | 8 | 8 | ... | | |
| | E | Mn | 23 47 39 | 7 | 1 | ... | | | E | Mn | 06 47 24 | 8 | 3 | ... | | |
| | N,E | F | 00 08 | ... | ... | ... | | | N | F | 07 19 ... | ... | ... | ... | | |
| Dec. 17 | N,E | e | 08 54 | ... | ... | ... | Tremors. | Dec. 21 | N,E | iP | 12 48 31 | ... | ... | 2145 | Moderate. | |
| | N,E | F | 04 17 | ... | ... | ... | | | N,E | iS | 12 47 08 | ... | ... | ... | Epc: Tibet. After-shock. | |
| Dec. 17 | N,E | Mn | 06 57 56 | ... | ... | ... | Probably aftershock of the Tibetan shock of 15th December 1934. | | N,E | SR ₁ | 12 47 48 | ... | ... | ... | | |
| | N,E | F | 07 10 | ... | ... | ... | | | N | eL | 12 48 ... | ... | ... | ... | | |
| Dec. 17 | N | Mn | 09 28 10 | 7 | 2 | ... | Aftershock of the Tibetan shock of 15th December 1934. | | N | Mn | 12 51 12 | 8 | 9 | ... | | |
| | E | Mn | 09 28 07 | 7 | 1 | ... | | | E | Mn | 12 51 14 | 7 | 5 | ... | | |
| | | | | | | | | | E | F | 13 21 ... | ... | ... | ... | | |
| | | | | | | | | | E | F | 13 26 ... | ... | ... | ... | | |

TABLE D 2—*contd.*

| Date. | Compt. | Phase. | G.M.T. | Period. | Amplitude. | △ | Remarks. | Date. | Compt. | Phase. | G.M.T. | Period. | Amplitude. | △ | Remarks. |
|---------|--------|---------------------|-----------|---------|------------|------|------------------------------|---------|--------|-----------------|-------------|---------|------------|-------|---|
| | | | H. M. S. | Sec. | μ | Km. | | | | | H. M. S. | Sec. | μ | Km. | |
| 1934. | | | | | | | | 1934. | | | | | | | |
| Dec. 22 | N,E | e | 05 19 ... | ... | ... | ... | Tremors. | Dec. 27 | N,E | e | 12 41 ... | ... | ... | ... | Tremors. |
| | N | f | 05 27 ... | ... | ... | ... | | | N,E | f | 13 | ... | ... | ... | |
| | E | f | 05 28 ... | ... | ... | ... | | Dec. 27 | N | iP | 13 41 27 | ... | ... | 1745 | Slight. |
| Dec. 22 | N,E | eP | 10 57 33 | ... | ... | 3280 | Slight. | | N | PR ₁ | 13 41 58(?) | ... | ... | ... | Epc: 35° N., 72° 5' E. North-West Frontier. |
| | N,E | PR ₁ (?) | 10 58 39 | ... | ... | ... | L—waves poor. | | N,E | 8S | 13 44 30 | ... | ... | ... | |
| | N,E | S | 11 02 35 | ... | ... | ... | Largest movement in S—phase. | | N,E | SR ₁ | 13 45 12 | ... | ... | ... | Felt at Dros, Peshawar and Lahore. |
| | N,E | SR ₁ | 11 03 59 | ... | ... | ... | | | N,E | L (?) | 13 45 43 | ... | ... | ... | |
| | N | eL | 11 05 33 | ... | ... | ... | | | N | F | 14 13 ... | ... | ... | ... | |
| | E | eL | 11 05 39 | ... | ... | ... | | | E | F | 14 12 ... | ... | ... | ... | |
| | N | F | 12 11 ... | ... | ... | ... | | Dec. 28 | N,E | Mn | 12 38 30 | ... | ... | ... | Seismic activity. |
| | E | F | 12 12 ... | ... | ... | ... | | | N,E | e | 14 13 ... | ... | ... | ... | Slight. Distant. |
| Dec. 22 | N,E | e | 14 49 ... | ... | ... | ... | Slight. Very distant. | | N | Mn | 15 11 46 | ... | ... | ... | |
| | N | Mn | 15 48 30 | ... | ... | ... | | | E | Mn | 15 08 30 | ... | ... | ... | |
| | E | Mn | 15 58 25 | ... | ... | ... | | | N | F | 16 30 ... | ... | ... | ... | |
| | N | F | 17 15 ... | ... | ... | ... | | | E | F | 16 12 ... | ... | ... | ... | |
| | E | F | 16 54 ... | ... | ... | ... | | Dec. 30 | N,E | PR ₁ | 19 07 38 | ... | ... | 15000 | Moderate. |
| Dec. 23 | E | i | 10 11 44 | ... | ... | ... | Slight. Very distant | | N,E | ScPcP | 19 08 38 | ... | ... | ... | Beginning uncertain. |
| | N,E | i | 10 12 23 | ... | ... | ... | | | E | PR ₁ | 19 10 36 | ... | ... | ... | |
| | N,E | i | 10 15 ... | ... | ... | ... | | | N,E | ScPcS | 19 12 08 | ... | ... | ... | Epc: 28° N., 104° W. North Mexico. |
| | N,E | e | 10 34 ... | ... | ... | ... | | | N,E | PPS | 19 19 46 | ... | ... | ... | |
| | E | Mn | 11 19 30 | ... | ... | ... | | | N,E | SR ₁ | 19 25 32 | ... | ... | ... | |
| | N | F | 11 41 ... | ... | ... | ... | | | N | eL | 19 49 48 | ... | ... | ... | |
| | E | F | 11 45 ... | ... | ... | ... | | | E | eL | 19 48 ... | ... | ... | ... | |
| Dec. 24 | N | Mn | 05 18 20 | ... | ... | ... | Seismic activity. | | N | Mn | 20 09 15 | 15 | 14 | ... | |
| | E | Mn | 05 15 20 | ... | ... | ... | | | E | Mn | 20 04 40 | 21 | 14 | ... | |
| Dec. 24 | N,E | e | 16 15 15 | ... | ... | ... | Seismic activity. | | N | F | 22 22 ... | ... | ... | ... | |
| Dec. 25 | N,E | e | 06 37 ... | ... | ... | ... | Feeble. Distant. | | E | F | 22 18 ... | ... | ... | ... | |

S. C. ROY,
Meteorologist.

Colaba Observatory, Bombay.

STATION—ALIPORE, CALCUTTA.

Lat 22°32',

Long. $88^{\circ}20'$.

Height above M. S. L. (a) 7·1 m.; (b) and (c) 6·0 m.

Lithologic Foundation : Alluvium.

Instruments :—

| | Compt. | Steady mass Kg. | T. (sec.). | Vm | ϵ | Paper speed mm./min. |
|-----|--------|-----------------|------------|-----|------------|----------------------|
| (a) | N | 0.45 Kg. | 12 | 250 | 20 : 1 | 8 |
| (b) | N | | 28 | 32 | 1 : 1 | |
| (c) | E | | 28 | 30 | 1 : 1 | |

TABLE D 3.

| Date. | Phase. | Time G. M. T. | Period (sec.) | Amplitude μ) | | Distance Δ (Km.) | Remarks. | Date. | Phase. | Time G. M. T. | Period (sec.) | Amplitude μ) | | Distance Δ (Km.) | Remarks. | |
|---------|--------|------------------|------------------|----------------------|-----|-------------------------------|-----------|---------|--------|------------------|------------------|----------------------|-----|-------------------------------|------------------------------|--|
| | | | | AN | AE | | | | | | | AN | AE | | | |
| 1934. | | H. M. S. | | | | | | 1934. | | H. M. S. | | | | | | |
| Jan. 1 | eP | 06 22 41 | 2 | ... | ... | 7,250 | Slight. | Jan. 15 | P | 08 44 18 | ... | ... | ... | ... | 360 | Severe: instrument thrown out of action (N. Bihar shock). Tremors. |
| | S | 06 31 36 | 5 | ... | ... | ... | | | P | 08 44 29 | ... | ... | ... | ... | ... | |
| | L | 06 45 20 | 14 | ... | ... | ... | | | P | 14 24 31 | ... | ... | ... | ... | ... | |
| | M | 06 49 20 | 16 | 6 | ... | ... | | | P | 14 54 57 | ... | ... | ... | ... | ... | Do. |
| | F | 07 23 36 | ... | ... | ... | ... | | | P | 15 03 44 | ... | ... | ... | ... | ... | Do. |
| Jan. 2 | P | 21 01 23 | 3 | ... | ... | 3,460 | Moderate. | Jan. 15 | P | 15 21 06 | ... | ... | ... | ... | ... | Do. |
| | S | 21 06 37 | 5 | ... | ... | ... | | | P | 15 49 06 | ... | ... | ... | ... | ... | Do. |
| | L | 21 10 46 | 8 | ... | ... | ... | | | P | 17 23 33 | ... | ... | ... | ... | ... | Do. |
| | M | 21 12 21 | 10 | 39 | ... | ... | | | P | 18 04 53 | ... | ... | ... | ... | ... | Do. |
| | F | 22 24 23 | ... | ... | ... | ... | | | P | 19 50 26 | ... | ... | ... | ... | ... | Do. |
| Jan. 3 | P | 09 52 47 | 5 | ... | ... | 7,300 | Slight. | Jan. 16 | P | 20 28 15 | ... | ... | ... | ... | ... | Do. |
| | eS | 10 01 35 | 8 | ... | ... | ... | | | P | 20 31 31 | ... | ... | ... | ... | ... | Do. |
| | L | 10 16 09 | 12 | ... | ... | ... | | | P | 21 09 14 | ... | ... | ... | ... | ... | Do. |
| | F | ? | ... | ... | ... | ... | | | P | 21 35 30 | ... | ... | ... | ... | ... | Do. |
| Jan. 12 | eP | 13 25 26 | 3 | ... | ... | 1,590 | Moderate. | Jan. 16 | P | 22 24 11 | ... | ... | ... | ... | ... | Do. |
| | S | 13 38 14 | 5 | ... | ... | ... | | | P | 03 01 21 | ... | ... | ... | ... | ... | Do. |
| | L | 13 39 20 | 8 | ... | ... | ... | | | P | 05 00 46 | 1 | ... | ... | 400 | Moderate (Omor N.-S. inst.). | |
| | M | ? | ... | ... | ... | ... | | | S | 05 01 28 | 2 | ... | ... | ... | | |
| | F | ? | ... | ... | ... | ... | | | L | 05 01 52 | 3 | ... | ... | ... | | |
| Jan. 14 | P | 03 50 36 | 2 | ... | ... | 900 | Slight. | Jan. 16 | M | 05 02 ... | 3 | 258 | ... | ... | Tremor. | |
| | S | 03 52 03 | 4 | ... | ... | ... | | | F | 05 33 46 | ... | * | ... | ... | | |
| | L | 03 52 58 | 6 | ... | ... | ... | | | P | 14 43 12 | ... | ... | ... | ... | | |
| | F | 04 11 23 | ... | ... | ... | ... | | | P | 16 05 29 | 2 | ... | ... | 550 | Slight. | |
| | P | 15 00 01 | ? | ... | ... | 700 | Slight. | | S | 16 05 59 | 3 | ... | ... | ... | | |
| | S | 15 01 13 | 3 | ... | ... | ... | | | F | 16 12 31 | ... | ... | ... | ... | | |
| | L | 15 01 41 | 5 | ... | ... | ... | | | P | 18 45 56 | 4 | ... | ... | 4,445 | Slight. | |
| | F | 15 17 01 | ... | ... | ... | ... | | | S | 18 52 08 | ... | ... | ... | ... | | |
| Jan. 14 | P | 18 54 55 | 2 | ... | ... | 450 | Slight. | Jan. 16 | SR. | 18 53 54 | 6 | ... | ... | ... | Slight. | |
| | S | 18 55 40 | 4 | ... | ... | ... | | | M | 19 08 26 | 14 | 8 | ... | ... | | |
| | L | 18 56 07 | 6 | ... | ... | ... | | | | | | | | ... | | |
| | F | 19 16 47 | ... | ... | ... | ... | | | | | | | | ... | | |

TABLE D 3—contd.

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ) | | Distance, Δ (Km.) | Remarks | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ) | | Distance, Δ (Km.) | Remarks | |
|---------|--------|------------------|---------------|------------------------|-----|--------------------------------|---------------------------------|-------|---------|------------------|-----------------|------------------------|-----|--------------------------------|---------|-----------|
| | | | | AN | AE | | | | | | | AN | AE | | | |
| 1934. | | H. M. S. | | | | | | 1934. | | H. M. S. | | | | | | |
| | F | 19 55 56 | ... | ... | ... | ... | | | Jan. 21 | P | 06 52 02 | ? | ... | ... | 400 | Slight. |
| Jan. 17 | eP | 02 45 43 | ... | ... | ... | ... | Tremor. | | | S | ? | ? | ... | ... | | |
| | eP | 03 12 20 | ... | ... | ... | ... | Do. | | | L | 06 53 04 | 4 | ... | ... | | |
| | P | 03 49 47 | ... | ... | ... | ... | Do. | | | | ? | ... | ... | ... | | |
| | P | 03 54 07 | ... | ... | ... | ... | Do. | | | P | 06 58 25 | 4 | ... | ... | | |
| | P | 06 30 40 | ... | ... | ... | ... | Do. | | | | 07 05 03 | 6 | ... | ... | | |
| | P | 07 06 47 | ... | ... | ... | ... | Do. | | | L | 07 12 47 | 10 | ... | ... | | |
| | P | 08 37 11 | ... | ... | ... | ... | Do. | | | M | 07 16 57 | 10 | 27 | ... | | |
| | P | 18 36 44 | ... | ... | ... | ... | Do. | | | F | 08 11 01 | ... | ... | ... | | |
| | P | 19 30 04 | ... | ... | ... | ... | Do. | | | | | | | | | |
| Jan. 17 | P | 20 20 09 | 4 | ... | ... | 3,200 | Slight. | | | P | 14 59 17 | ? | ... | ... | 300 | Slight. |
| | S | 20 25 09 | 6 | ... | ... | ... | | | | S | ? | ? | ... | ... | | |
| | L | 20 28 56 | 8 | ... | ... | ... | | | | L | 14 59 57 | 2 | ... | ... | | |
| | F | 20 43 09 | ... | ... | ... | ... | | | | F | 15 08 52 | ... | ... | ... | | |
| Jan. 17 | P | 20 45 46 | ... | ... | ... | ... | Tremor. | | | P | 19 50 54 | 2 | ... | ... | 300 | Slight. |
| | P | 21 20 51 | ... | ... | ... | ... | Do. | | | S | ? | ? | ... | ... | | |
| | P | 22 04 27 | ... | ... | ... | ... | Do. | | | L | 19 51 54 | 4 | ... | ... | | |
| Jan. 17 | P | 23 18 05 | ... | ... | ... | ... | Do. | | | P | 20 12 24 | ... | ... | ... | | |
| Jan. 18 | P | 04 48 11 | ... | ... | ... | ... | Do. | | | | | | | | | |
| | P | 11 20 33 | ... | ... | ... | ... | Do. | | | P | 21 27 37 | 4 | ... | ... | 1,750 | Slight. |
| | P | 13 12 37 | ... | ... | ... | ... | Do. | | | S | 21 30 43 | 6 | ... | ... | | |
| | P | 15 56 30 | ... | ... | ... | ... | Do. | | | L | 21 31 49 | 9 | ... | ... | | |
| Jan. 19 | P | 12 35 49 | 4 | ... | ... | 1000 | Moderate. | | | P | 21 43 41 | ... | ... | ... | | |
| | S | 12 37 28 | 8 | ... | ... | ... | | | | | 05 26 09 | ? | ... | ... | 300 | Slight. |
| | L | 12 38 15 | 10 | ... | ... | ... | | | | S | ? | ? | ... | ... | | |
| | M | 12 41 43 | 10 | 67 | ... | ... | | | | L | 05 26 55 | 2 | ... | ... | | |
| | F | 13 38 15 | ... | ... | ... | ... | | | | F | 05 34 25 | ... | ... | ... | | |
| Jan. 19 | P | 18 50 51 | 1 | ... | ... | 440 | Moderate (Omori N.-S. inst.) | | | | | | | | | |
| | S | 18 51 43 | 2 | ... | ... | ... | | | | L | 07 04 08 | 3 | ... | ... | | |
| | L | 18 52 ... | 3 | ... | ... | ... | | | | F | 07 14 30 | ... | ... | ... | | |
| | M | 18 52 30 | 3 | 121 | ... | ... | | | | | | | | | | |
| | F | 19 27 20 | ... | ... | ... | ... | | | | P | 23 59 46 | ? | ... | ... | 500 | Slight. |
| Jan. 20 | P | 18 01 22 | 6 | ... | ... | 3,060 | Moderate. | | | S | ? | ? | ... | ... | | |
| | S | 18 06 10 | 9 | ... | ... | ... | | | | L | 00 00 58 | 3 | ... | ... | | |
| | L | 18 10 12 | 12 | ... | ... | ... | | | | F | 00 09 45 | ... | ... | ... | | |
| | M | 18 13 28 | 12 | 44 | ... | ... | | | | | | | | | | |
| | F | 19 26 28 | ... | ... | ... | ... | | | | P | 19 32 38 | 5 | ... | ... | 16,350 | Moderate. |
| Jan. 20 | P | 22 19 17 | 6 | ... | ... | 12,300 | Slight. | | | | PR ₁ | 19 35 59 | 6 | ... | ... | |
| | S | 22 31 44 | 9 | ... | ... | ... | | | | SR ₁ | 19 55 01 | 10 | ... | ... | | |
| | L | 23 02 51 | 11 | ... | ... | ... | | | | el ₁ | 20 22 41 | 16 | ... | ... | | |
| | M | 23 14 38 | 14 | 23 | ... | ... | | | | M ₁ | 20 31 23 | 20 | 23 | ... | | |
| Jan. 21 | F | 00 11 02 | ... | ... | ... | ... | | | | M ₂ | 20 32 38 | 20 | 23 | ... | | |
| Jan. 21 | P | 02 34 34 | ? | ... | ... | 400 | Slight. | | | M ₃ | 20 38 53 | 20 | 29 | ... | | |
| | S | ? | ? | ... | ... | ... | | | | F | 22 07 36 | ... | ... | ... | | |
| Jan. 21 | L | 02 35 28 | 3 | ... | ... | ... | | | | | | | | | | |
| | F | 02 42 13 | ... | ... | ... | ... | | | | | | | | | | |

F

TABLE D 3—*contd.*

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ) | | Distance △ (Km.) | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ) | | Distance △ (Km.) | Remarks. | |
|---------|--------|------------------|------------------|------------------------|------|------------------------|------------------------------|---------|----------------|------------------|------------------|------------------------|------|------------------------|-------------------------------|---------|
| | | | | An. | A.E. | | | | | | | An. | A.E. | | | |
| 1934. | | H. M. S. | | | | | | 1934. | | H. M. S. | | | | | | |
| Jan. 30 | P | 20 27 30 | 6 | .. | ... | 12,950 | Slight. | Feb. 12 | S | 03 59 16 | 3 | ... | ... | ... | | |
| | S | 20 40 36 | 10 | ... | ... | ... | | | L | 03 59 36 | 5 | ... | ... | ... | | |
| | L | 21 12 04 | 20 | ... | ... | ... | | | M | 03 59 51 | 5 | 14 | ... | ... | | |
| | F | ? | | | | | | | F | 04 11 51 | ... | ... | ... | ... | | |
| Jan. 30 | P | 23 07 36 | ? | ... | ... | 300 | Slight. | Feb. 12 | P | 11 35 39 | 6 | ... | ... | 2,150 | Moderate (Omori. N. S. inst.) | |
| | S | ? | ? | ... | ... | ... | | | S | 11 39 09 | 10 | ... | ... | ... | | |
| | L | 23 08 15 | 2 | ... | ... | ... | | | L | 11 41 19 | 15 | ... | ... | ... | | |
| | F | 23 10 45 | ... | ... | ... | ... | | | M | 11 45 39 | 20 | 759 | ... | ... | | |
| Feb. 2 | P | 15 13 53 | 4 | ... | ... | 5,755 | Slight. | | F | ? | | | | | | |
| | S | 15 21 20 | 8 | ... | ... | ... | | Feb. 14 | P | 04 05 56 | 6 | ... | ... | 3,200 | Very great. | |
| | L | 15 28 27 | 14 | ... | ... | ... | | | S | 04 10 56 | 12 | ... | ... | ... | | |
| | M | 15 34 57 | 20 | 29 | ... | ... | | | L | 04 14 48 | 22 | ... | ... | ... | | |
| | F | 17 08 57 | ... | ... | ... | ... | | | M | 04 25 34 | 30 | 89 | ... | ... | | |
| Feb. 3 | P | 14 41 44 | 5 | ... | ... | 7,285 | Slight. | | F | 09 23 59 | ... | ... | ... | ... | | |
| | S | 14 50 34 | 7 | ... | ... | ... | | Feb. 16 | P | 06 29 15 | 5 | ... | ... | 9,200 | Moderate | |
| | L | 15 02 34 | 20 | ... | ... | ... | | | S | 06 39 35 | 8 | ... | ... | ... | | |
| | M | 15 08 14 | 22 | 42 | ... | ... | | | L | 06 59 55 | 10 | ... | ... | ... | | |
| | F | 17 44 14 | ... | ... | ... | ... | | | M | 07 06 49 | 12 | 25 | ... | ... | | |
| Feb. 4 | P | 12 51 05 | 1 | ... | ... | 400 | Slight (Omori. N. S. inst.). | | M | 07 10 19 | 12 | 22 | ... | ... | | |
| | S | 12 51 47 | 2 | ... | ... | ... | | | F | 08 00 19 | ... | ... | ... | ... | | |
| | L | 12 52 13 | ? | ... | ... | ... | | Feb. 17 | P | 02 52 22 | 2 | ... | ... | 490 | Slight. | |
| | M | 12 52 36 | 5 | 121 | ... | ... | | | S | 02 53 15 | 4 | ... | ... | ... | | |
| | F | 13 1 13 | ... | ... | ... | ... | | | L | 02 53 37 | 6 | ... | ... | ... | | |
| Feb. 4 | P | 13 33 49 | 5 | ... | ... | 3,245 | Great. | | F | 03 04 50 | ... | ... | ... | ... | | |
| | S | 13 38 49 | 7 | ... | ... | ... | | Feb. 18 | P | 13 02 05 | ? | ... | ... | 500 | Slight. | |
| | L | 13 42 59 | 15 | ... | ... | ... | | | S | 13 02 59 | 2 | ... | ... | ... | | |
| | M | 13 46 24 | 20 | 244 | ... | ... | | | L | 13 03 34 | 4 | ... | ... | ... | | |
| | F | 15 37 24 | ... | ... | ... | ... | | | F | 13 12 25 | ... | ... | ... | ... | | |
| Feb. 4 | P | 22 10 29 | 5 | ... | ... | 5,600 | Slight. | | Feb. 19 | eP | 10 31 05 | ? | ... | ... | 4,000 | Slight. |
| | S | 22 17 39 | 7 | ... | ... | ... | | | S | 10 36 50 | 5 | ... | ... | ... | | |
| | L | 22 27 39 | 10 | ... | ... | ... | | | L | 10 43 02 | 10 | ... | ... | ... | | |
| | M | 22 29 19 | 14 | 16 | ... | ... | | | F | ? | | | | | | |
| | F | 23 36 19 | ... | ... | ... | ... | | Feb. 22 | eP | 08 14 32 | 4 | ... | ... | 4,000 | Slight | |
| Feb. 8 | eP | 14 41 45 | ? | ... | ... | 400 | Slight. | | S | 08 20 29 | 6 | ... | ... | ... | | |
| | S | 14 42 41 | ? | ... | ... | ... | | | L | 08 26 04 | 10 | ... | ... | ... | | |
| | L | 14 42 51 | ? | ... | ... | ... | | | M | 08 13 14 | 10 | 11 | ... | ... | | |
| | F | 14 53 36 | ... | ... | ... | ... | | | F | ? | | | | | | |
| Feb. 10 | eP | 04 46 45 | ? | ... | ... | 700 | Slight. | | Feb. 24 | P | 06 32 45 | 6 | ... | ... | 5,900 | Great. |
| | S | 04 48 01 | 2 | ... | ... | ... | | | S | 06 40 20 | 10 | ... | ... | ... | | |
| | L | 04 48 33 | 4 | ... | ... | ... | | | eL | 06 51 ... | 20 | ... | ... | ... | | |
| | F | 05 07 35 | ... | ... | ... | ... | | | M ₁ | 06 55 50 | 20 | 134 | ... | ... | | |
| Feb. 11 | eP | 14 54 12 | ? | ... | ... | 480 | Slight. | | M ₂ | 06 59 15 | 20 | 143 | ... | ... | | |
| | S | 14 55 07 | 2 | ... | ... | ... | | | F | ? | | | | | | |
| | L | 14 55 22 | 4 | ... | ... | ... | | Feb. 24 | P | 15 24 57 | ? | ... | ... | 480 | Slight | |
| | F | 15 03 34 | ... | ... | ... | ... | | | S | 15 25 49 | 2 | ... | ... | ... | | |
| Feb. 12 | eP | 08 58 46 | 2 | ... | ... | 300 | Slight. | | L | 15 26 09 | 4 | ... | ... | ... | | |
| | | | | | | | | | F | 15 45 29 | ... | ... | ... | ... | | |

TABLE D 3—*contd.*

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ) | | | Distance △ (Km.) | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ) | | | Distance △ (Km.) | Remarks. |
|---------|------------------------------------|------------------|---------------|------------------------|------|--------|------------------------|----------|---------|--------|------------------|---------------|------------------------|------|--------|--|----------|
| | | | | A.N. | A.E. | AN. | | | | | | | A.N. | A.E. | AN. | | |
| 1934. | | H. M. S. | | | | | | | 1934. | | H. M. S. | | | | | | |
| Feb. 25 | eP | 16 32 13 | 5 | ... | ... | 4,300 | Slight. | | Mar. 12 | M | 16 18 04 | 16 | 10 | ... | ... | ... | |
| | S | 16 38 20 | 9 | ... | ... | ... | | | | F | ? | ? | ... | ... | ... | ... | |
| | L | 16 44 50 | 12 | ... | ... | ... | | | Mar. 13 | P | 13 25 25 | 5 | ... | ... | 10,400 | Slight. | |
| | M | 16 51 10 | 12 | 13 | ... | ... | | | | S | 13 36 41 | 7 | ... | ... | ... | | |
| | F | 17 33 50 | ... | ... | ... | ... | | | | L | 14 00 45 | 9 | ... | ... | ... | | |
| Feb. 27 | P | 21 43 16 | 3 | ... | ... | 4,800 | Slight. | | | M | 14 09 05 | 14 | 6 | ... | ... | | |
| | S | 21 49 46 | 6 | ... | ... | ... | | | | F | 16 53 29 | ... | ... | ... | ... | | |
| | L | 21 57 28 | 10 | ... | ... | ... | | | Mar. 16 | P | 14 22 04 | 4 | ... | ... | 3,300 | Slight. | |
| | M | 22 00 43 | 10 | 13 | ... | ... | | | | S | 14 27 07 | 7 | ... | ... | ... | | |
| | F | 22 35 33 | ... | ... | ... | ... | | | | L | 14 31 19 | 9 | ... | ... | ... | | |
| Feb. 28 | P | 14 33 40 | 4 | ... | ... | 7,550 | Moderate. | | | F | ? | ? | ... | ... | ... | | |
| | S | 14 42 44 | ... | ... | ... | ... | | | Mar. 18 | P | 04 42 31 | 3 | ... | ... | 6,700 | Slight. | |
| | PS | 14 48 15 | 6 | ... | ... | ... | | | | S | 04 50 42 | 5 | ... | ... | ... | | |
| | L | 14 55 05 | 10 | ... | ... | ... | | | | eL | 05 03 52 | 7 | ... | ... | ... | | |
| | Mn | 15 11 23 | 17 | 96 | ... | ... | | | | F | ? | ? | ... | ... | ... | | |
| | P | 15 08 40 | ... | ... | ... | ... | | | Mar. 19 | P | 03 40 06 | 5 | ... | ... | 2,400 | Slight. | |
| Mar. 1 | P ¹ | 22 05 35 | 4 | ... | ... | 17,400 | Slight. | | | S | 03 44 06 | 6 | ... | ... | ... | | |
| | Sc P _c P _c S | 22 16 05 | 5 | ... | ... | ... | | | | L | 03 46 32 | 7 | ... | ... | ... | | |
| | SR ₁ | 22 29 32 | ... | ... | ... | ... | | | | F | ? | ? | ... | ... | ... | | |
| Mar. 2 | F | 00 02 25 | ... | ... | ... | ... | | | Mar. 20 | P | 02 51 23 | 5 | ... | ... | 4,750 | Slight. | |
| Mar. 3 | P | 01 38 42 | 2 | ... | ... | 1,650 | Slight. | | | S | 02 57 53 | 8 | ... | ... | ... | | |
| | S | 01 41 37 | 7 | ... | ... | ... | | | | L | 03 05 24 | 12 | ... | ... | ... | | |
| | L | 01 42 53 | 10 | ... | ... | ... | | | | F | 04 12 42 | ... | ... | ... | ... | | |
| | F | 02 06 03 | ... | ... | ... | ... | | | Mar. 24 | P | 12 14 20 | 5 | ... | ... | 750 | Moderate. | |
| Mar. 3 | P | 16 11 31 | ... | ... | ... | ... | Tremor. | | | S | 12 24 20 | 10 | ... | ... | ... | | |
| Mar. 4 | eP | 11 27 58 | ? | ... | ... | 6,500 | Slight. | | | eL | 12 40 ... | 18 | ... | ... | ... | | |
| | S | 11 35 59 | 7 | ... | ... | ... | | | | M | 12 45 30 | 18 | 12 | ... | ... | | |
| | L | 11 48 42 | 10 | ... | ... | ... | | | | F | 16 13 50 | ... | ... | ... | ... | | |
| | M | 11 55 27 | 15 | 25 | ... | ... | | | Mar. 25 | P | 12 47 10 | 4 | ... | ... | 1,450 | Slight. | |
| | F | 13 00 12 | ... | ... | ... | ... | | | | S | 12 49 40 | 5 | ... | ... | ... | | |
| Mar. 5 | eP | 12 02 32 | 6 | ... | ... | 12,150 | Great. | | | L | 12 50 48 | 7 | ... | ... | ... | | |
| | PR | 12 10 24 | 8 | ... | ... | ... | | | | F | ? | ? | ... | ... | ... | | |
| | Sc P _c S | 12 13 06 | 9 | ... | ... | ... | | | Mar. 26 | P | 03 01 17 | ? | ... | ... | 60 | Slight. | |
| | SR ₁ | 12 21 31 | 10 | ... | ... | ... | | | | S | 03 02 17 | 2 | ... | ... | ... | | |
| | eL | 12 40 16 | 17 | ... | ... | ... | | | | L | 03 02 41 | 4 | ... | ... | ... | | |
| | M | 12 49 26 | 20 | 44 | ... | ... | | | | F | ? | ? | ... | ... | ... | | |
| | F | 16 20 09 | ... | ... | ... | ... | | | | | | | | | | Tremor. | |
| Mar. 7 | P | 16 1 29 | ... | ... | ... | ... | Tremor. | | Apr. 3 | P | 22 41 21 | ... | ... | ... | ... | Do. | |
| Mar. 11 | P | 19 15 16 | 2 | ... | ... | 2,000 | Slight. | | Apr. 5 | P | 10 41 45 | ... | ... | ... | ... | Do. | |
| | S | 19 18 34 | 6 | ... | ... | ... | | | Apr. 6 | P | 19 18 04 | 2 | ... | ... | 4,900 | Slight (Inst. changed from N. S. to E. W.) | |
| | L | 19 20 37 | 7 | ... | ... | ... | | | | S | 19 24 44 | 4 | ... | ... | ... | | |
| | M | 19 22 52 | 10 | 11 | ... | ... | | | | eL | 19 31 24 | 7 | ... | ... | ... | | |
| | F | ? | ... | ... | ... | ... | | | | F | ? | ? | ... | ... | ... | | |
| Mar. 12 | eP | 15 31 04 | 6 | ... | ... | 10,800 | Slight. | | Apr. 8 | P | 20 54 06 | ? | ... | ... | 350 | Slight. | |
| | eS | 15 42 36 | 8 | ... | ... | ... | | | | S | 20 54 44 | ? | ... | ... | ... | | |
| | L | 16 08 14 | 10 | ... | ... | ... | | | | | | | | | | | |

TABLE D 3—*contd.*

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude | | Distance △ (Km.) | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude | | Distance △ (Km.) | Remarks. | |
|---------|----------------|------------------|------------------|-----------|------|------------------------|-----------|---------|---------|------------------|------------------|-----------|------|------------------------|-----------------------------|--|
| | | | | A.N. | A.E. | | | | | | | A.N. | A.E. | | | |
| 1934. | | H. M. S. | | | | | | 1934. | | H. M. S. | | | | | | |
| Apr. 8 | L | 20 54 59 | ? | ... | ... | ... | | Apr. 19 | L | ? | ... | ... | ... | ... | | |
| | F | 21 01 39 | ... | ... | ... | ... | | | F | ? | ... | ... | ... | ... | | |
| Apr. 10 | P | 10 30 42 | 5 | ... | ... | 4,560 | Moderate. | Apr. 26 | P | 13 46 55 | 5 | ... | ... | 4,700 | Slight. | |
| | S | 10 36 55 | 7 | ... | ... | ... | | | S | 13 53 55 | 6 | ... | ... | ... | | |
| | L | 10 44 15 | 9 | ... | ... | ... | | | L | 14 04 25 | 8 | ... | ... | ... | | |
| | M | 10 48 20 | 18 | ... | 43 | ... | | | M | 14 08 18 | 12 | ... | ... | ... | | |
| | F | ? | ... | ... | ... | ... | | | F | ? | ... | ... | ... | ... | | |
| Apr. 11 | P | 21 25 21 | 4 | ... | ... | 8,100 | Slight. | Apr. 26 | P | 21 13 28 | 5 | ... | ... | 9,450 | Slight. | |
| | S | 21 34 41 | 6 | ... | ... | ... | | | S | 21 23 53 | 7 | ... | ... | ... | | |
| | eL | 21 52 13 | ? | ... | ... | ... | | | eL | 21 43 48 | 9 | ... | ... | ... | | |
| | F | ? | ... | ... | ... | ... | | | F | ? | ... | ... | ... | ... | | |
| Apr. 12 | P | 03 27 17 | ? | ... | ... | 2,550 | Slight. | Apr. 27 | P | 20 59 58 | 4 | ... | ... | 10,650 | Slight. | |
| | S | 03 31 07 | 4 | ... | ... | ... | | | S | 21 11 18 | 8 | ... | ... | ... | | |
| | L | 03 34 47 | 6 | ... | ... | ... | | | eL | 21 32 08 | 10 | ... | ... | ... | | |
| | M | 03 36 17 | 18 | ... | 19 | ... | | | F | 23 35 13 | ... | ... | ... | ... | | |
| | F | ? | ... | ... | ... | ... | | Apr. 29 | P | 03 22 ... | ... | ... | ... | ... | Tremor. | |
| Apr. 12 | P | 09 14 16 | 5 | ... | ... | 900 | Slight. | May 1 | P | 03 44 38 | 3 | ... | ... | 2,550 | Moderate. | |
| | S | 09 16 ... | 10 | ... | ... | ... | | | S | 03 48 48 | 4 | ... | ... | ... | | |
| | eL | 09 16 27 | ? | ... | ... | ... | | | L | 03 51 04 | 6 | ... | ... | ... | | |
| | F | ? | ... | ... | ... | ... | | | M | ? | ... | ... | ... | ... | | |
| Apr. 13 | P | 04 40 17 | ? | ... | ... | 300 | Slight. | May 1 | P | 07 09 15 | 3 | ... | ... | 2,300 | Moderate. | |
| | S | 04 40 47 | ? | ... | ... | ... | | | S | 07 13 05 | 4 | ... | ... | ... | | |
| | L | 04 40 57 | 5 | ... | ... | ... | | | L | 07 15 05 | 7 | ... | ... | ... | | |
| | F | ? | ... | ... | ... | ... | | | M | ? | ... | ... | ... | ... | | |
| Apr. 13 | P | 23 05 00 | ? | ... | ... | 450 | Slight. | | F | ? | ... | ... | ... | ... | | |
| | S | 23 05 50 | ? | ... | ... | ... | | May 4 | P | 04 48 42 | 4 | ... | ... | 11,100 | Great. | |
| | L | 23 06 05 | 4 | ... | ... | ... | | | Sc Pe S | 04 59 13 | 8 | ... | ... | ... | | |
| | F | ? | ... | ... | ... | ... | | | eL | 05 22 53 | 10 | ... | ... | ... | | |
| Apr. 14 | P | 01 37 35 | ... | ... | ... | ... | Tremor. | | M | 05 29 33 | 23 | ... | 226 | ... | | |
| Apr. 15 | P | 22 23 21 | 6 | ... | ... | 4,050 | Great. | | F | 07 38 25 | ... | ... | ... | ... | | |
| | S | 22 29 55 | 10 | ... | ... | ... | | May 13 | P | 09 13 21 | 4 | ... | ... | 7,550 | Slight. | |
| | L | 22 38 35 | 15 | ... | ... | ... | | | S | 09 22 25 | 6 | ... | ... | ... | | |
| | M ₁ | 22 41 47 | 18 | ... | 395 | ... | | | L | 09 35 17 | 8 | ... | ... | ... | | |
| | M ₂ | 22 46 07 | 18 | ... | 360 | ... | | | F | ? | ... | ... | ... | ... | | |
| | F | ? | ... | ... | ... | ... | | May 14 | P | 22 25 37 | 3 | ... | ... | 9,150 | Slight. | |
| Apr. 16 | eP | 13 51 20 | 2 | ... | ... | 4,350 | Slight. | | | S | 22 35 55 | 4 | ... | ... | ... | |
| | S | 13 57 24 | 6 | ... | ... | ... | | May 14 | L | 22 53 22 | 7 | ... | ... | ... | | |
| | L | 14 04 07 | 10 | ... | ... | ... | | | M | ? | ... | ... | ... | ... | | |
| | F | ? | ... | ... | ... | ... | | | F | 23 48 25 | ... | ... | ... | ... | | |
| Apr. 19 | P | 23 36 30 | 2 | ... | ... | 2,000 | Slight. | | | | | | | | | |
| | S | 23 39 52 | 5 | ... | ... | ... | | May 22 | ... | ... | ... | ... | ... | | Tremor, lost in microseism. | |
| | L | 23 41 31 | 6 | ... | ... | ... | | May 30 | P | 23 08 18 | 6 | ... | ... | 2,000 | Slight. | |
| | F | 23 54 49 | ... | ... | ... | ... | | | S | 23 11 28 | 8 | ... | ... | ... | | |
| Apr. 19 | P | 23 44 54 | ? | ... | ... | 200 | Slight. | | | L | 23 13 48 | 10 | ... | ... | ... | |
| | S | 23 45 17 | ... | ... | ... | ... | | | M | 23 15 28 | 10 | ... | 7 | ... | | |
| | | | | | | | | | F | 23 31 58 | ... | ... | ... | ... | | |

TABLE D 3—*contd.*

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). AN. AE | Distance (Km.) | Remarks | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ). AN. AE | Distance (Km.) | Remarks | | |
|---------|--------|------------------|---------------|-----------------------------------|-------------------|------------------------------|-----------------|-----------------|------------------|---------------|-----------------------------------|-------------------|------------------------|---------|---------|
| | | | | | | | | | | | | | | | |
| 1934. | | H. M. S. | | | | | 1934. | | H. M. S. | | | | | | |
| June 1 | P | 19 27 04 | ? | ... | 300 | Slight. | | L | 20 15 07 | 2 | ... | ... | ... | | |
| | S | 19 27 31 | ? | ... | ... | | | F | ? | ... | ... | ... | ... | | |
| | L | 19 27 43 | 3 | ... | ... | | June 16 | P | 20 14 11 | 1 | ... | ... | 400 | | |
| | F | ? | ... | ... | ... | | S | 20 14 55 | ? | ... | ... | ... | | | |
| June 2 | P | 05 55 53 | 1 | ... | 650 | Moderate (Omori E.-W. inst.) | | L | 20 15 07 | 2 | ... | ... | | | |
| | S | 06 57 0 | 2 | ... | ... | | | F | 20 36 37 | ... | ... | ... | | | |
| | L | 05 57 26 | 4 | ... | ... | | June 18 | P | 11 54 05 | ? | ... | ... | 600 | | |
| | M | ? | ... | ... | ... | | S | 11 55 03 | ? | ... | ... | ... | | | |
| | F | ? | ... | ... | ... | | L | 11 55 38 | 3 | ... | ... | ... | | | |
| June 2 | P | 05 55 53 | 1 | ... | 650 | Moderate (Omori N.-S. inst.) | | F | ? | ... | ... | ... | | | |
| | S | 05 57 03 | 2 | ... | ... | | June 23 | P | 05 22 08 | 2 | ... | ... | 1,200 | | |
| | L | 05 57 23 | 4 | ... | ... | | S | 05 24 13 | 2 | ... | ... | ... | | | |
| | M | ? | ... | ... | ... | | L | 05 25 13 | ? | ... | ... | ... | | | |
| | F | 06 45 35 | ... | ... | ... | | M | ? | ... | ... | ... | ... | | | |
| June 2 | P | 14 05 16 | 3 | ... | 6,250 | Slight. | | F | ? | ... | ... | ... | | | |
| | S | 14 13 02 | 5 | ... | ... | | June 24 | eP | 06 19 30 | 5 | ... | ... | 17,800 | | |
| | L | 14 25 02 | 12 | ... | ... | | PR ₁ | 06 23 47 | 6 | ... | ... | ... | | | |
| | M | 14 27 46 | 13 | ... | 9 | | SR ₁ | 06 43 53 | 8 | ... | ... | ... | | | |
| | F | ? | ... | ... | ... | | eL | 07 15 58 | 15 | ... | ... | ... | | | |
| June 4 | eP | 05 56 32 | 3 | ... | 2,750 | Slight. | | M | 07 28 50 | 20 | ... | 29 | ... | | |
| | S | 06 00 56 | 4 | ... | ... | | | F | 08 41 23 | ... | ... | ... | | | |
| | L | 06 03 52 | 5 | ... | ... | | June 30 | ... | ... | ... | ... | ... | | | |
| | M | 06 05 12 | 7 | ... | 10 | | | | | ... | ... | ... | Tremor lost microseism | | |
| | F | ? | ... | ... | ... | | July 6 | e | 23 17 39 | ... | ... | ... | ... | Tremor. | |
| June 5 | P | 13 08 10 | 2 | ... | 1,600 | Slight. | | F | ? | ... | ... | ... | ... | | |
| | S | 13 11 00 | 3 | ... | ... | | July 11 | e | 11 15 39 | ... | ... | ... | ... | | |
| | L | 13 12 20 | 6 | ... | ... | | | F | ? | ... | ... | ... | ... | | |
| | M | 13 13 55 | 6 | ... | 8 | | July 15 | P | 02 07 11 | ? | ... | ... | 480 | | |
| | F | 13 42 20 | ... | ... | ... | | S | 02 07 59 | ? | ... | ... | ... | | | |
| June 9 | P | 13 09 51 | 4 | ... | 3,100 | Slight. | | L | 02 08 17 | ? | ... | ... | ... | | |
| | S | 13 14 51 | 6 | ... | ... | | | M | ? | ... | ... | ... | | | |
| | L | 13 17 55 | 8 | ... | ... | | | F | ? | ... | ... | ... | | | |
| | M | 13 19 05 | 8 | ... | 15 | | July 15 | e | 12 32 39 | ... | ... | ... | ... | Tremor. | |
| | F | ? | ... | ... | ... | | | F | ? | ... | ... | ... | ... | | |
| June 13 | P | 22 15 28 | 5 | ... | 2,850 | Great (Omori E.-W. inst.) | | July 18 | P | 01 56 25 | 2 | ... | ... | 17,000 | |
| | S | 22 20 02 | 6 | ... | ... | | | SePc P | 02 03 21 | 4 | ... | ... | ... | | |
| | L | 22 23 12 | 8 | ... | ... | | | SR ₁ | 02 19 48 | 7 | ... | ... | ... | | |
| | M | 22 25 42 | 18 | ... | 1,552 | | | SR ₂ | 02 25 37 | 12 | ... | ... | ... | | |
| | F | ? | ... | ... | ... | | | eL | 02 49 18 | 15 | ... | ... | ... | | |
| June 13 | P | 22 15 28 | 3 | ... | 2,850 | Great (Omori N.-S. inst.) | | | M | 02 59 48 | 30 | ... | 187 | ... | |
| | S | 22 20 02 | 4 | ... | ... | | | F | ? | ... | ... | ... | ... | | |
| | L | 22 23 10 | 6 | ... | ... | | July 18 | e | 16 49 39 | ... | ... | ... | ... | Tremor. | |
| | M | 22 24 08 | 15 | 1,517 | ... | | | F | 17 06 39 | ... | ... | ... | ... | | |
| | F | ? | ... | ... | ... | | July 18 | P ¹ | 17 19 34 | 2 | ... | ... | 16,320 | | |
| June 16 | P | 20 14 11 | 1 | ... | 400 | Slight (Omori E.-W. inst.) | | | PR ₁ | 17 22 59 | 4 | ... | ... | | Slight. |
| | S | ? | ? | ... | ... | | | SR ₁ | 17 42 01 | 5 | ... | ... | ... | | |

TABLE D 3—*contd.*

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ) | | | Distance (Δ (Km.)) | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ) | | | Distance (Δ (Km.)) | Remarks. | |
|---------|-----------------|------------------|------------------|------------------------|------|--------|----------------------------------|----------|---------|-----------------|------------------|------------------|------------------------|------|-----|----------------------------------|-----------|--|
| | | | | AN. | A.E. | AN. | | | | | | | AN. | A.E. | AN. | | | |
| 1934. | | H. M. S. | | | | | | | 1934. | | H. M. S. | | | | | | | |
| | eL | 18 09 31 | 6 | ... | ... | ... | | | | Aug. 7 | P | 03 52 38 | ... | ... | ... | 9,410 | Slight. | |
| | M | 18 20 31 | 15 | ... | 4 | ... | | | | | S | 04 03 06 | 6 | ... | ... | ... | | |
| | F | 19 34 51 | ... | ... | ... | ... | | | | | SR ₁ | 04 08 53 | 6 | ... | ... | ... | | |
| July 18 | P | 19 52 45 | 4 | ... | ... | 9,490 | Great. | | | | L | 04 19 43 | 16 | ... | ... | ... | | |
| | S | 20 03 19 | 10 | ... | ... | ... | | | | | M ₁ | 04 26 53 | 20 | ... | 17 | ... | | |
| | Ps | 20 04 09 | 10 | ... | ... | ... | | | | | M ₂ | 04 29 33 | 20 | ... | 23 | ... | | |
| | SR ₁ | 20 08 55 | 12 | ... | ... | ... | | | | | F | 06 58 39 | ... | ... | ... | ... | | |
| | L | 20 21 15 | 20 | ... | ... | ... | | | Aug. 7 | P | 11 55 15 | 2 | ... | ... | ... | 2,870 | Slight. | |
| | M | 20 27 49 | 23 | ... | 410 | ... | | | | eS | 11 59 49 | 5 | ... | ... | ... | | | |
| | F | 23 44 43 | ... | ... | ... | ... | | | | L | 12 02 25 | 13 | ... | ... | ... | | | |
| July 19 | e | 00 19 39 | ... | ... | ... | ... | Tremor. | | | | M | 12 03 35 | 13 | ... | 18 | ... | | |
| | F | ? | ... | ... | ... | ... | | | | F | 12 57 35 | ... | ... | ... | ... | | | |
| July 19 | eP | 01 36 19 | ? | ... | ... | 5,670 | Moderate. | | Aug. 11 | P | 08 23 36 | 4 | ... | ... | ... | 4,020 | Moderate. | |
| | PR ₁ | 01 39 05 | 5 | ... | ... | ... | | | | S | 08 29 25 | 6 | ... | ... | ... | | | |
| | S | 01 43 41 | 7 | ... | ... | ... | | | | SR ₁ | 08 31 33 | 7 | ... | ... | ... | | | |
| | L | 01 53 41 | 9 | ... | ... | ... | | | | eL | 08 34 19 | 9 | ... | ... | ... | | | |
| | M | 01 57 47 | 12 | ... | 31 | ... | | | | M | 08 37 19 | 12 | ... | 110 | ... | | | |
| | F | ? | ... | ... | ... | ... | | | | F | 09 31 34 | ... | ... | ... | ... | | | |
| July 19 | e | 05 57 39 | ... | ... | ... | ... | Tremor. | | Aug. 11 | e | 12 09 09 | ... | ... | ... | ... | ... | Tremor. | |
| | F | ? | ... | ... | ... | ... | | | | F | ? | ... | ... | ... | ... | ... | | |
| | e | 07 50 39 | ... | ... | ... | ... | Tremor. | | Aug. 12 | e | 04 52 39 | ... | ... | ... | ... | ... | Tremor. | |
| | F | ? | ... | ... | ... | ... | | | | F | ? | ... | ... | ... | ... | ... | | |
| July 21 | P | 06 30 36 | 5 | ... | ... | 9,550 | Great. | | Aug. 12 | P | 23 57 01 | 3 | ... | ... | ... | 4,810 | Great. | |
| | Ps | 06 41 51 | 8 | ... | ... | ... | | | | PR ₁ | 23 58 33 | 5 | ... | ... | ... | | | |
| | eL | 06 58 23 | 10 | ... | ... | ... | | | Aug. 13 | SR ₁ | 00 08 25 | 6 | ... | ... | ... | | | |
| | M | 07 05 46 | 20 | ... | 110 | ... | | | | eL | 00 09 51 | 10 | ... | ... | ... | | | |
| | F | ? | ... | ... | ... | ... | | | | M ₁ | 00 13 34 | 20 | ... | 128 | ... | | | |
| July 21 | P | 10 58 53 | 4 | ... | ... | 19,000 | Slight. | | | | M ₂ | 00 14 34 | 20 | ... | 157 | ... | | |
| | PSc | 11 14 33 | 8 | ... | ... | ... | | | | F | 00 16 14 | 20 | ... | 198 | ... | | | |
| | eL | 11 58 58 | 23 | ... | ... | ... | | | | | F | ? | ... | ... | ... | ... | | |
| | M | 12 12 48 | 23 | ... | 22 | ... | | | Aug. 21 | P | 19 31 06 | 4 | ... | ... | ... | 4,410 | Moderate. | |
| | F | ? | ... | ... | ... | ... | | | | PR ₁ | 19 32 29 | 5 | ... | ... | ... | | | |
| July 22 | P | 20 01 30 | 4 | ... | ... | 2,200 | Moderate. | | | | SR ₁ | 19 39 46 | 6 | ... | ... | ... | | |
| | S | 20 05 12 | 5 | ... | ... | ... | | | | eL | 19 43 01 | 8 | ... | ... | ... | | | |
| | eL | 20 06 48 | 6 | ... | ... | ... | | | | M | 19 46 21 | 15 | ... | 28 | ... | | | |
| | M | ? | ... | ... | ... | ... | | | | F | ? | ... | ... | ... | ... | | | |
| | F | ? | ... | ... | ... | ... | | | Aug. 22 | e | 06 52 09 | ... | ... | ... | ... | ... | Tremor. | |
| July 28 | P | 02 11 04 | 3 | ... | ... | 3,230 | Slight. | | | | F | ? | ... | ... | ... | ... | Do. | |
| | S | 02 15 59 | 5 | ... | ... | ... | | | | e | 10 35 09 | ... | ... | ... | ... | Do. | | |
| | L | 02 18 59 | 10 | ... | ... | ... | | | | F | ? | ... | ... | ... | ... | Do. | | |
| | M | 02 21 52 | 10 | ... | 29 | ... | | | Aug. 24 | P | 07 14 38 | 4 | ... | ... | ... | 530 | Slight. | |
| | F | ? | ... | ... | ... | ... | | | | P | 07 14 56 | 4 | ... | ... | ... | | | |
| July 31 | e | 06 04 39 | ... | ... | ... | ... | Tremor. | | | S | 07 15 34 | ? | ... | ... | ... | | | |
| | F | ? | ... | ... | ... | ... | Do. | | | L | 07 16 04 | 6 | ... | ... | ... | | | |
| July 31 | e | 11 55 22 | ... | ... | ... | ... | Do. | | | M | ? | ... | ... | ... | ... | | | |
| | F | ? | ... | ... | ... | ... | Do. | | | F | 07 31 38 | ... | ... | ... | ... | | | |

TABLE D 3—contd.

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ) | | Distance △ (Km.) | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ) | | Distance △ (Km.) | Remarks. | | |
|---------|-----------------|------------------|---------------|------------------------|------|------------------------|--|-------|---------|------------------|---------------|------------------------|------|------------------------|----------|-----------|--|
| | | | | A.N. | A.E. | | | | | | | A.N. | A.E. | | | | |
| 1934. | | H. M. S. | | | | | | 1934. | | H. M. S. | | | | | | | |
| Aug. 29 | P | 03 43 54 | ? | ... | ... | 380 | Moderate ; reported to have been felt in North Bihar, Darjeeling, etc. | | S | 12 48 22 | 6 | ... | ... | ... | | | |
| | S | 03 44 28 | ? | ... | ... | ... | | | L | 12 51 18 | 7 | ... | ... | ... | | | |
| | L | 03 44 42 | ? | ... | ... | ... | | | M | ? | ... | ... | ... | ... | | | |
| | M | ? | ... | ... | ... | | | | F | 13 25 41 | ... | ... | ... | ... | | | |
| | F | ? | ... | ... | ... | | | | Sep. 23 | e | 01 29 39 | ... | ... | ... | Tremor. | | |
| Aug. 31 | P | 05 15 07 | 3 | ... | ... | 9,710 | Slight. | | Sep. 23 | P | 08 52 08 | 4 | ... | ... | 270 | Slight. | |
| | Sc Pe S | 05 25 21 | 5 | ... | ... | ... | | | | es | 08 52 39 | ? | ... | ... | ... | | |
| | L | 05 44 13 | 8 | ... | ... | ... | | | | L | 08 52 46 | ? | ... | ... | ... | | |
| | M | 05 51 43 | 20 | ... | 23 | ... | | | | F | 08 56 39 | ... | ... | ... | ... | | |
| Aug. 31 | P | 15 01 58 | 3 | ... | ... | 2,490 | Great. | | Sep. 26 | | | | | | | | |
| | S | 15 06 08 | 5 | ... | ... | | | | Sep. 26 | e | 01 11 39 | ... | ... | ... | Tremor | | |
| | L | 15 08 58 | 10 | ... | ... | | | | Sep. 27 | eP | 23 00 18 | 3 | ... | ... | 2,260 | Slight | |
| | M | 15 10 58 | 16 | ... | 246 | ... | | | | S | 23 03 58 | 5 | ... | ... | ... | | |
| | F | 16 38 33 | ... | ... | ... | | | | | L | 23 06 01 | 7 | ... | ... | ... | | |
| Sep. 1 | P | 12 40 20 | 3 | ... | ... | 2,010 | Slight. | | | F | 23 18 18 | ... | ... | ... | ... | | |
| | S | 12 43 45 | 4 | ... | ... | ... | | | Oct. 1 | e | 17 18 57 | ... | ... | ... | Tremor. | | |
| | L | 12 45 08 | 5 | ... | ... | ... | | | Oct. 5 | e | 10 00 34 | ... | ... | ... | " | | |
| | F | ? | ... | ... | ... | | | | Oct. 5 | e | 20 34 44 | ... | ... | ... | " | | |
| Sep. 3 | e | 09 23 39 | ... | ... | ... | | Tremor. | | | | | | | | | | |
| Sep. 4 | e | 16 38 39 | ... | ... | ... | | " | | Oct. 6 | e | 14 07 30 | ... | ... | ... | " | | |
| Sep. 8 | P | 06 49 49 | 3 | ... | ... | 2,430 | Slight. | | Oct. 10 | e | 09 16 19 | ... | ... | ... | " | | |
| | PR ₁ | 06 50 12 | 4 | ... | ... | ... | | | Oct. 10 | P | 15 57 04 | 5 | ... | ... | 6,050 | Moderate. | |
| | S | 06 58 51 | 5 | ... | ... | ... | | | | S | 16 04 49 | 6 | ... | ... | ... | | |
| | SR ₁ | 06 54 37 | 6 | ... | ... | ... | | | | SR ₁ | 16 10 09 | 6 | ... | ... | ... | | |
| | L | 06 55 39 | 6 | ... | ... | ... | | | | eL | 16 13 57 | 9 | ... | ... | ... | | |
| | F | 07 27 5 | ... | ... | ... | | | | | F | 17 39 40 | ... | ... | ... | ... | | |
| Sep. 9 | P | 05 06 17 | 3 | ... | ... | 840 | Slight. | | Oct. 15 | e | 08 32 01 | ... | ... | ... | Tremor | | |
| | S | 05 07 48 | 4 | ... | ... | ... | | | Oct. 18 | P | 08 00 47 | 4 | ... | ... | 9,210 | Slight. | |
| | eL | 05 08 26 | 5 | ... | ... | ... | | | | S | 08 11 06 | 7 | ... | ... | ... | | |
| | F | 05 32 17 | ... | ... | ... | | | | | eL | 08 28 11 | 8 | ... | ... | ... | | |
| Sep. 11 | e | 08 27 39 | ... | ... | ... | | Tremor. | | | | M | 08 35 03 | 28 | ... | 52 | ... | |
| Sep. 11 | e | 14 19 39 | ... | ... | ... | | " | | | | F | ? | ... | ... | ... | | |
| Sep. 12 | e | 14 35 39 | ... | ... | ... | | " | | Oct. 19 | P | 21 01 16 | 4 | ... | ... | 1,100 | Moderate | |
| Sep. 12 | e | 17 58 39 | ... | ... | ... | | " | | | P* | 21 01 48 | ... | ... | ... | ... | | |
| Sep. 18 | e | 14 36 39 | ... | ... | ... | | " | | | P | 21 02 8 | ... | ... | ... | ... | | |
| Sep. 15 | e | 08 08 39 | ... | ... | ... | | " | | | S | 21 03 18 | 6 | ... | ... | ... | | |
| Sep. 17 | e | 17 19 39 | ... | ... | ... | | " | | | SR ₁ | 21 03 40 | ... | ... | ... | ... | | |
| Sep. 17 | P | 18 48 38 | 3 | ... | ... | 1,680 | Slight. | | | S* | 21 03 58 | ... | ... | ... | ... | | |
| | eS | 18 46 25 | 4 | ... | ... | ... | | | | S | 21 04 32 | ... | ... | ... | ... | | |
| | L | 18 47 36 | 7 | ... | ... | ... | | | | L | 21 04 50 | 8 | ... | ... | ... | | |
| | F | 19 06 07 | ... | ... | ... | | | | Oct. 20 | Mn | 21 08 06 | ... | ... | 29 | ... | | |
| Sep. 21 | P | 12 43 34 | 3 | ... | ... | 3,070 | Moderate. | | | F | 21 54 08 | ... | ... | ... | Tremor | " | |
| | | | | | | | | | Oct. 20 | e | 08 21 14 | ... | ... | ... | " | | |

TABLE D 3—*contd.*

| Date | Phase | Time G. M. T. | Period (sec.) | Amplitude (μ) | | Distance (Km.) | Remarks | Date | Phase | Time G. M. T. | Period (sec.) | Amplitude (μ) | | Distance (Km.) | Remarks | |
|---------|-----------------|------------------|------------------|------------------------|------|-------------------|-----------|---------|-----------------|------------------|------------------|------------------------|------|-------------------|--|--|
| | | | | A.N. | A.E. | | | | | | | A.N. | A.E. | | | |
| | | H. M. S. | | | | | | | | | | | | | | |
| 1934. | | | | | | | | | | | | | | | | |
| Oct. 21 | P | 18 02 48 | 4 | ... | ... | 4,520 | Slight. | Nov. 4 | e | 02 11 44 | ... | ... | ... | ... | Tremor. | |
| | S | 18 09 09 | 6 | ... | ... | ... | | | e | 03 38 58 | ... | ... | ... | ... | " | |
| | L | 18 14 48 | 9 | ... | ... | ... | | Nov. 5 | P | 23 14 10 | 5 | ... | ... | 9,050 | Slight. | |
| | F | 18 54 28 | ... | ... | ... | ... | | | S | 23 24 25 | 7 | ... | ... | ... | | |
| Oct. 21 | eP | 19 10 08 | ? | ... | ... | 440 | Slight. | | | L | 23 40 59 | 12 | ... | ... | ... | |
| | S | 19 10 56 | ? | ... | ... | ... | | | F | | | | | | Masked by microseisms. | |
| | L | 19 11 14 | ? | ... | ... | ... | | Nov. 11 | P | 04 17 20 | ... | ... | ... | 500 | Slight. | |
| | F | 19 22 15 | ... | ... | ... | ... | | | S | 04 18 13 | ... | ... | ... | ... | | |
| Oct. 22 | eP | 01 10 04 | ? | ... | ... | 550 | Slight. | | | eL | 04 18 32 | 5 | ... | ... | ... | |
| | S | ? | ? | ... | ... | ... | | | F | | | | | | Masked by microseisms. | |
| | L | 01 11 12 | 2 | ... | ... | ... | | | e | 21 30 14 | ... | ... | ... | ... | Tremor. | |
| | F | ? | ... | ... | ... | ... | | Nov. 15 | P | 23 19 32 | 2 | ... | ... | 2,250 | Slight. | |
| Oct. 25 | eP | 01 35 54 | 2 | ... | ... | 790 | Slight. | | | S | 23 23 18 | 3 | ... | ... | ... | |
| | S | 01 37 09 | 3 | ... | ... | ... | | | eL | 23 24 55 | 4 | ... | ... | ... | | |
| | L | 01 38 01 | 5 | ... | ... | ... | | | F | 23 55 38 | ... | ... | ... | ... | | |
| | F | ? | ... | ... | ... | ... | | Nov. 16 | eP | 13 53 50 | 3 | ... | ... | 6,830 | Slight. | |
| Oct. 26 | P | 14 52 01 | 3 | ... | ... | 4,020 | Slight. | | | S | 14 02 18 | 5 | ... | ... | ... | |
| | PR ₁ | 14 53 11 | 4 | ... | ... | ... | | | SR ₂ | 14 06 29 | 7 | ... | ... | ... | | |
| | IS | 14 58 00 | 5 | ... | ... | ... | | | eL | 14 13 22 | 10 | ... | ... | ... | | |
| | L | 15 02 34 | 6 | ... | ... | ... | | | F | 15 22 06 | ... | ... | ... | ... | | |
| | F | 15 28 17 | ... | ... | ... | ... | | Nov. 18 | P | 03 25 49 | 2 | ... | ... | 2,220 | Great. | |
| Oct. 26 | E | 17 18 40 | 2 | ... | ... | 4,255 | Moderate. | | | PR ₁ | 03 26 10 | 2 | ... | ... | ... | |
| | PR ₁ | 17 19 58 | 2 | ... | ... | ... | | | S | 03 29 32 | 3 | ... | ... | ... | | |
| | PR ₁ | 17 20 25 | 3 | ... | ... | ... | | | SR ₁ | 03 30 15 | 4 | ... | ... | ... | | |
| | S | 17 24 44 | 4 | ... | ... | ... | | | eL | 03 31 10 | 5 | ... | ... | ... | | |
| | SR ₁ | 17 27 05 | 5 | ... | ... | ... | | | M | | | | | | Uncertain due to failure of photographic registration. | |
| | L | 17 27 40 | 8 | ... | ... | ... | | | F | | | | | | Lost in shifting. | |
| | Mn | 17 41 28 | 16 | ... | 22 | ... | | Nov. 18 | e | 09 32 41 | ... | ... | ... | ... | Tremor. | |
| | F | 18 40 13 | ... | ... | ... | ... | | w 18 | P | 22 51 18 | 5 | ... | ... | 7,450 | Slight. | |
| Oct. 29 | P | 16 23 01 | 4 | ... | ... | 4,155 | Slight. | | | S | 23 00 18 | 7 | ... | ... | ... | |
| | PR ₁ | 16 24 12 | 4 | ... | ... | ... | | | PS | 23 00 49 | 7 | ... | ... | ... | | |
| | PR ₁ | 16 24 47 | 4 | ... | ... | ... | | | eL | 23 12 41 | 8 | ... | ... | ... | | |
| | S | 16 28 59 | 6 | ... | ... | ... | | | F | | | | | | Masked by microseisms. | |
| | SR ₁ | 16 31 10 | 6 | ... | ... | ... | | Nov. 19 | e | 10 09 43 | ... | ... | ... | ... | Tremor | |
| | SR ₂ | 16 31 51 | 6 | ... | ... | ... | | | | | | | | | | |
| | eL | 16 34 02 | 9 | ... | ... | ... | | Nov. 22 | P | 22 29 40 | 3 | ... | ... | 3,320 | Slight. | |
| | Mn | 16 45 17 | 14 | ... | ... | ... | | | S | 22 34 44 | 4 | ... | ... | ... | | |
| | F | 17 23 48 | ... | ... | ... | ... | | | L | 22 38 18 | 5 | ... | ... | ... | | |
| Nov. 2 | P | 15 20 59 | 3 | ... | ... | 550 | Slight. | | | F | 22 55 54 | ... | ... | ... | ... | |
| | S | 15 21 54 | 4 | ... | ... | ... | | Nov. 23 | P | 09 39 54 | 3 | ... | ... | 390 | Slight. | |
| | L | 15 22 22 | 9 | ... | ... | ... | | | S | 09 40 34 | 4 | ... | ... | ... | | |
| | F | 15 41 20 | ... | ... | ... | ... | | | L | 09 40 51 | 5 | ... | ... | ... | | |
| Nov. 3 | eP | 06 48 41 | 3 | ... | ... | 500 | Slight. | | | F | 10 04 34 | ... | ... | ... | ... | |
| | S | 06 49 31 | 4 | ... | ... | ... | | Nov. 24 | eP | 12 48 19 | 5 | ... | ... | 9,150 | Slight. | |
| | L | 06 50 00 | ... | ... | ... | ... | | | eS | 12 58 34 | 7 | ... | ... | ... | | |
| | F | 07 07 49 | ... | ... | ... | ... | | | eL | 13 15 39 | ... | ... | ... | ... | | |
| Nov. 3 | e | 13 34 05 | ... | ... | ... | ... | Tremor. | | | F | 14 21 39 | ... | ... | ... | ... | |

TABLE D 3—contd.

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ) | | Distance (K.m.) | Remarks. | Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ) | | Distance (K.m.) | Remarks. | | |
|---------|-----------------|---------------------------------|------------------|------------------------|------|--------------------|-----------------------|-------|---------|------------------|------------------|---------------------------------|------|--------------------|----------|-----------|--|
| | | | | A.N. | A.E. | | | | | | | A.N. | A.E. | | | | |
| 1934. | | H. M. S. | | | | | | | | H. M. S. | | | | | | | |
| Nov. 26 | P | 12 15 37 | 5 | ... | ... | 3,300 | Slight. | 1934. | Dec. 15 | e | 07 25 11 | ... | ... | ... | ... | Tremor. | |
| | S | 12 20 40 | 7 | ... | ... | ... | | | | e | 10 30 51 | ... | ... | ... | ... | " | |
| | SR ₁ | 12 22 08 | | ... | ... | ... | | | | e | 17 55 14 | ... | ... | ... | ... | " | |
| | eL | 12 24 10 | 10 | ... | ... | ... | | | | eP | 19 29 19 | 3 | ... | ... | 6,230 | Slight. | |
| | M | 12 30 30 | 15 | ... | 17 | ... | | | | S | 19 37 14 | 5 | ... | ... | ... | | |
| | F | 13 39 10 | ... | ... | ... | ... | | | | SR ₁ | 19 41 05 | 5 | ... | ... | ... | | |
| Nov. 27 | P | 06 22 12 | 2 | ... | ... | 4,620 | Slight. | | | eL | 19 46 49 | 7 | ... | ... | ... | | |
| | S | 06 28 37 | 4 | ... | ... | ... | | | | F | 20 40 49 | ... | ... | ... | ... | | |
| | SR ₂ | 06 32 07 | 4 | ... | ... | ... | | | | e | 00 31 13 | ... | ... | ... | ... | Tremor. | |
| | eL | 06 34 32 | 6 | ... | ... | ... | | | | e | 16 14 26 | ... | ... | ... | ... | " | |
| | | Masked by microseisms. | | | | | | | | e | 19 12 29 | ... | ... | ... | ... | " | |
| Nov. 27 | e | 19 58 44 | ... | ... | ... | ... | Tremor. | | | e | 20 43 35 | ... | ... | ... | ... | " | |
| Nov. 29 | e | 22 39 24 | 4 | ... | ... | ... | Slight. | | | e | 23 39 48 | ... | ... | ... | ... | " | |
| | e | 22 41 22 | 9 | ... | ... | ... | | | | e | 03 52 02 | ... | ... | ... | ... | " | |
| | M | 22 44 42 | 12 | ... | 11 | ... | | | | e | 06 50 16 | ... | ... | ... | ... | " | |
| | F | 23 03 12 | ... | ... | ... | ... | | | | e | 09 20 14 | ... | ... | ... | ... | " | |
| Nov. 30 | e | 02 24 58 | 5 | ... | ... | ... | | | | e | 14 44 40 | ... | ... | ... | ... | " | |
| | eL | 03 10 28 | 12 | ... | ... | ... | | | | eP | 16 03 18 | 4 | ... | ... | 7,000 | Slight. | |
| | M | 03 20 48 | 20 | ... | 34 | ... | | | | PR ₁ | 16 06 55 | 5 | ... | ... | ... | | |
| | F | 04 45 08 | ... | ... | ... | ... | | | | S | 16 11 55 | 6 | ... | ... | ... | | |
| Dec. 4 | e | 17 44 49 | 4 | ... | ... | ... | Slight; very distant. | | | SR ₁ | 16 18 29 | 7 | ... | ... | ... | | |
| | i | 17 56 01 | 5 | ... | ... | ... | | | | F | 17 28 12 | ... | ... | ... | ... | | |
| | F | 19 35 17 | ... | ... | ... | ... | | | | e | 21 35 08 | ... | ... | ... | ... | Tremor. | |
| Dec. 9 | e | 11 30 55 | 4 | ... | ... | ... | Slight. | | | e | 22 12 37 | ... | ... | ... | ... | Slight. | |
| | M | 11 45 55 | 17 | ... | 9 | ... | | | | i | 22 13 07 | ... | ... | ... | ... | | |
| | F | 12 13 45 | ... | ... | ... | ... | | | | F | ? | ... | ... | ... | ... | | |
| | e | 22 06 54 | ... | ... | ... | ... | Tremor. | | | | | | | | | | |
| Dec. 13 | eP | 01 07 09 | ... | ... | ... | 2,200 | Slight. | | | | M | Maximum movements not recorded. | | | | | |
| | S | 01 10 52 | 3 | ... | ... | ... | | | | F | 12 25 26 | ... | ... | ... | ... | | |
| | eL | 01 12 21 | 6 | ... | ... | ... | | | | eP | 03 06 14 | ... | ... | ... | 900 | Slight. | |
| | M | 01 14 18 | 10 | ... | 12 | ... | | | | eS | 03 07 50 | ... | ... | ... | ... | | |
| | F | 01 27 00 | ... | ... | ... | ... | | | | L | 11 26 53 | 8 | ... | ... | ... | | |
| Dec. 14 | e | 11 20 29 | ... | ... | ... | ... | Tremor. | | | | | | | | | | |
| Dec. 14 | eP | 20 44 54 | 2 | ... | ... | 890 | Moderate. | | | | | | | | | | |
| | S | 20 46 20 | 3 | ... | ... | ... | | | | | | | | | | | |
| | L | 20 47 26 | 4 | ... | ... | ... | | | | | | | | | | | |
| | M ₁ | 20 48 51 | 5 | ... | 30 | ... | | | | | | | | | | | |
| | M ₂ | 20 49 41 | 5 | ... | 32 | ... | | | | | | | | | | | |
| | F | 21 38 41 | ... | ... | ... | ... | | | | | | | | | | | |
| Dec. 15 | P | 01 59 55 | 8 | ... | ... | 950 | Very great. | | | | | | | | | | |
| | S | 02 01 35 | 5 | ... | ... | ... | | | | | | | | | | | |
| | L | 02 02 19 | 10 | ... | ... | ... | | | | | | | | | | | |
| | M ₁ | Maximum movements not recorded. | | | | | | | | | | | | | | | |
| | F | 04 46 31 | ... | ... | ... | ... | | | | eP | 12 41 14 | 3 | ... | ... | 920 | Moderate. | |
| | e | 06 31 54 | ... | ... | ... | ... | Tremor. | | | S | 12 42 52 | 4 | ... | ... | ... | | |
| | e | 07 10 33 | ... | ... | ... | ... | " | | | L | 12 43 34 | 5 | ... | ... | ... | | |
| | | | | | | | | | | M | 12 45 11 | 6 | ... | 39 | ... | | |
| | | | | | | | | | | F | 13 30 02 | ... | ... | ... | ... | | |
| | | | | | | | | | | eP | 10 59 59 | 3 | ... | ... | 4,080 | Slight. | |
| | | | | | | | | | | S | 11 05 49 | 5 | ... | ... | ... | | |

TABLE D 3—*contd.*

| Date. | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ) | | Distance △ (Km.) | Remarks, | Date, | Phase. | Time G. M. T. | Period (Sec.) | Amplitude (μ) | | Distance △ (Km.) | Remarks. | |
|---------|--------|------------------|---------------|------------------------|------|------------------------|------------------------|---------|-----------------|------------------|---------------|------------------------|------|------------------------|-----------|--|
| | | | | An. | A.E. | | | | | | | An. | A.E. | | | |
| 1934. | | H. M. S. | | | | | | 1934. | | H. M. S. | | | | | | |
| Dec. 20 | L | 11 10 54 | 15 | ... | ... | ... | | | F | 14 11 08 | ... | ... | ... | ... | | |
| | M | 11 13 29 | 15 | ... | 12 | ... | | Dec. 28 | eP | 11 43 50 | 4 | ... | ... | 10,820 | Slight | |
| | F | 12 08 14 | ... | ... | ... | ... | | | eL | 12 16 45 | 18 | ... | ... | ... | | |
| | e | 14 49 26 | 7 | ... | ... | ... | Slight ; very distant. | | F | | | Not discernible. | | | | |
| | M | 15 57 06 | 23 | ... | ... | ... | | Dec. 30 | eP | 14 12 19 | 4 | ... | ... | 12,290 | Slight. | |
| | F | 17 07 06 | ... | ... | ... | ... | | | S | 14 24 34 | 6 | ... | ... | ... | | |
| Dec. 23 | e | 10 13 05 | 5 | ... | ... | ... | Slight ; very distant. | | SR ₁ | 14 32 24 | 7 | ... | ... | ... | | |
| | F | 11 58 25 | ... | ... | ... | ... | | | L | 14 50 39 | 15 | ... | ... | ... | | |
| Dec. 27 | eP | 12 36 16 | 3 | ... | ... | 1,810 | Slight. | | | M | 14 59 39 | 15 | ... | 7 | ... | |
| | S | 12 39 16 | 5 | ... | ... | ... | | | F | 16 26 39 | ... | ... | ... | ... | | |
| | L | 12 40 30 | 8 | ... | ... | ... | | Dec. 31 | P | 19 06 24 | 5 | ... | ... | 14,350 | Moderate. | |
| | M | 12 41 30 | 8 | ... | 7 | ... | | | eS | 19 19 38 | 6 | ... | ... | ... | | |
| | F | 13 01 06 | ... | ... | ... | ... | | | PPs | 19 23 07 | 7 | ... | ... | ... | | |
| Dec. 27 | eP | 13 42 08 | 2 | ... | ... | 2,140 | Slight. | | | SR ₁ | 19 33 57 | 10 | ... | ... | ... | |
| | S | 13 45 45 | 4 | ... | ... | ... | | | L | 19 51 02 | 14 | ... | ... | ... | | |
| | L | 13 47 19 | 5 | ... | ... | ... | | | M | 20 00 57 | 20 | ... | 47 | ... | | |
| | M | 13 49 06 | 5 | ... | 8 | ... | | | F | 22 21 47 | ... | ... | ... | ... | | |

Alipore Observatory,

CALCUTTA.

S. N. SEN,

Meteorologist.

STATION—KODAIKANAL.

Lat. $10^{\circ} 14'$, Long. $77^{\circ} 28'$.

Height above M. S. L. 2,343 m. Lighologic Foundation ; Rock.

Instruments ; Milne-Shaw (Magnetic damping.)

INSTRUMENTAL CONSTANTS.

| Compt. | Steady mass Kg. | T. (sec.). | Vm | E | Paper speed mm/min. |
|--------|-----------------|--|-----|--------|---------------------|
| E | 0.45 | Jan. 11.30 Feb. 11.75 Mar. 12.30 April 12.30 May-July 11.00 Aug.-Dec. 11.50 | 250 | 20 : 1 | 8 |

TABLE D. 4.

| Date. | Compt. | Phase. | G. M. T. | Period. | Ampli- tude. | △ | Remarks. | Date. | Compt. | Phase. | G. M. T. | Period. | Ampli- tude. | △ | Remarks. |
|-------------------|--------|------------------------|--|---|---|---|--------------|--------------------|--------|--|---|----------------------------------|----------------------------------|------------------------------------|--------------------|
| 1934. Jan. 2nd | E | P S L M F | H. m. S. 21 01 28 21 06 44 21 12 34 21 14 13 21 36 00 | Sec. 0.6 ... | m.m. 3,500 ... | Km. | | 1934. Jan. 29th | E | P ¹ PR ₁ L M F | 19 30 00 19 33 52? 20 27 43 20 44 53 21 33 00 | Sec. | m.m. | Km. 17,120 | |
| Jan. 3rd | E | IP S L M F | 09 53 45 10 02 57 ? ? 10 37 00 | | 7,730 | | | Feb. 2nd | E | P S L M F | 15 15 22 15 23 24 15 30 19 15 40 07 16 20 00 | 0.4 ... | | 6,380 | |
| Jan. 11th | | | Lines overlapping. | | | | Local Shock. | Feb. 3rd | | | | | | | Lines overlapping. |
| Jan. 12th | | | Lines overlapping. | | | | | Feb. 4th | | | | | | | Ditto. |
| Jan. 15th | E | IP S | 08 47 36 08 51 32(?) | | 2,380(?) | | | Feb. 5th | | | | | | | Ditto. |
| | | | Light thrown off at 08 h 51 m 32 s, probably beginning of S. | | | | | Feb. 5th | | | | | | | Ditto. |
| Jan. 16th | E | S L | 05 06 35 05 08 36 | | ... | Beginning not clear. | | Feb. 9th | E | P F | 09 45 33 10 21 00 | ... | ... | ... | Tremor. |
| Jan. 16th | E | IP PR ₁ | 18 38 18 18 40 05(?) | | 5,100 | | | Feb. 10th | E | P F | 03 24 29 04 27 00 | ... | ... | ... | Tremor. |
| | | S M F | 18 45 08 ? 19 25 00 | | ... | | | Feb. 11th | | | | | | | No minute marks. |
| Jan. 19th | E | P? | 18 57 40 | | ... | Record very faint phases not clear Tremors. | | Feb. 12th | E | P S L M F | 11 36 19 11 40 51 11 46 31 11 55 27 12 41 00 | ... | ... | ... | Tremor. |
| Jan. 20th | | F? | 19 12 00 | | ... | | | Feb. 14th | | | | | | | No minute marks. |
| Jan. 22nd | | | Lines overlapping. | | | | | Feb. 14th | E | IP | 04 07 22 | ... | ... | 4,000 | Tremors. |
| Jan. 27th | | | Ditto. | | | | | | | | | | | | |

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TABLE D 4—*contd.*

TABLE D 4—cont'd.

TABLE D 4—*contd.*

| Date. | Compt. | Phase. | G. M. T. | Period. | Ampli-tude. | △ | Remarks. | Date. | Compt. | Phase. | G. M. L. | Period. | Ampli-tude. | △ | Remarks. | |
|-----------|--------|----------------------------------|-----------|---------|-------------|--------|---|-----------|-----------|----------------------------------|----------|----------|-------------|--------|--------------------------------|--|
| 1934. | | H. M. S | Sec. | m. m. | Km. | | | 1934. | | H. M. S. | Sec. | m.m. | Km. | | | |
| June 13th | E | P (?) | 02 02 00 | ... | ... | 7,200 | Feeble shock. | July 19th | | PS | 08 02 21 | ... | ... | ... | | |
| | | I _S | 02 10 48 | ... | ... | ... | | | | M | 08 36 57 | ... | 2·1 | ... | | |
| | | F | 02 51 00 | ... | ... | ... | | | | F | 09 56 00 | ... | ... | ... | | |
| June 14th | E | iP | 22 15 21 | ... | ... | 2,490 | | July 21st | E | P | 06 31 43 | ... | ... | 10,445 | | |
| | | I _S | 22 19 26 | ... | ... | ... | | | | PR ₁ | 06 35 26 | ... | ... | ... | | |
| June 15th | | F | 00 06 00 | ... | ... | ... | | | | PR ₂ | 06 37 19 | ... | ... | ... | | |
| June 20th | E | P | 09 18 47 | ... | ... | 2,680 | | | | Sc P _C S | 06 42 12 | ... | ... | ... | | |
| | | I _S | 10 21 07 | ... | ... | ... | | | | PS | 06 43 52 | ... | ... | ... | | |
| | | F | 10 07 00 | ... | ... | ... | | | | SR ₁ | 06 49 14 | ... | ... | ... | | |
| June 23rd | E | I _S | 05 30 13 | ... | ... | 2,945 | | | | PS | 06 43 52 | ... | ... | ... | | |
| | | L | 05 33 25 | ... | ... | ... | | | | M | 07 15 05 | ... | ... | ... | | |
| | | M | 05 36 04 | ... | ... | ... | | | | F | 10 09 00 | ... | 10·6 | ... | | |
| | | F | 06 00 00 | ... | 5·4 | ... | | July 21st | E | e | 10 59 05 | ... | ... | ... | Very distant phases not clear. | |
| June 24th | | Very distant ; phases not clear. | | | | | | | | | | | | | | |
| June 29th | E | i | 08 35 00 | ... | ... | ... | | July 22nd | E | P | 20 02 47 | ... | ... | 2,255 | | |
| | | e | 08 42 47? | ... | ... | ... | | | | I _S | 20 06 34 | ... | ... | ... | | |
| | | F | 09 30 00 | ... | ... | ... | | | | L | ? | ... | ... | ... | | |
| July 6th | E | e | 11 03 26 | ... | ... | ... | Feeble near shock. | | | M | 20 10 55 | ... | ... | ... | | |
| | | F | 11 14 00 | ... | ... | ... | | | | F | ... | ... | 6·4 | ... | | |
| July 6th | E | e | 23 26 33 | ... | ... | ... | Feeble distant shock. | July 28th | E | e | 02 19 37 | ... | ... | ... | Tremor. | |
| July 7th | | F | 01 03 00 | ... | ... | ... | | | | F | 02 35 00 | ... | ... | ... | | |
| July 12th | E | ePR ₁ | 14 34 08 | ... | ... | 3,555 | | July 28th | E | i | 21 55 03 | ... | ... | ... | Slight shock. | |
| | | S | 14 38 42 | ... | ... | ... | | | | M | 22 37 36 | ... | ... | ... | | |
| | | eL | 14 44 41 | ... | ... | ... | | | | F | 23 05 00 | ... | 3·3 | ... | | |
| | | M | 14 47 44 | ... | 0·5 | ... | | | | | | | | | | |
| | | F | 14 58 00 | ... | ... | ... | | | | | | | | | | |
| July 18th | E | P ₁ | 01 56 15 | ... | ... | 17,000 | Great shock. | | July 31st | E | iP | 11 53 53 | ... | ... | 2,120 | |
| | | PR ₁ | 02 00 00 | ... | ... | ... | | | | I _S | 11 57 28 | ... | ... | ... | | |
| | | PR ₂ | 02 03 30 | ... | ... | ... | | | | IL | 11 59 06 | ... | ... | ... | | |
| | | Sc P _C P _S | 02 07 09 | ... | ... | ... | | | | M | 12 00 38 | ... | ... | ... | | |
| | | PS _C P _S | 02 10 20 | ... | ... | ... | | | | F | 12 21 00 | ... | 1·6 | ... | | |
| | | PPS | 02 13 19 | ... | ... | ... | | | | | | | | | | |
| | | SR | 02 19 24 | ... | ... | ... | | | | 'P | 03 53 14 | ... | ... | 11,780 | | |
| | | SR ₂ | 02 25 40 | ... | ... | ... | | | | P ¹ | 03 56 54 | ... | ... | ... | | |
| | | M | 03 20 30 | ... | ... | ... | | | | Sc P _C S | 04 03 43 | ... | ... | ... | | |
| | | F | 06 30 00 | ... | 10 | ... | | | | Sc P _C P _S | 04 04 48 | ... | ... | ... | | |
| July 18th | E | P ₁ | 17 20 35 | ... | ... | ... | Probably after shock of the previous great shock. | | | eL | 04 30 00 | ... | ... | ... | | |
| | | M | 18 35 55 | ... | ... | ... | | | | Mn | 04 37 50 | 20 | 1·8 | ... | | |
| | | F | ... | ... | 1·6 | ... | F lost in the record. | | | F | 07 05 00 | ... | ... | ... | | |
| July 19th | E | e | 06 09 00 | ... | ... | ... | Feeble shock. | | Aug. 11th | E | IP | 08 26 38 | ... | ... | 4,915 | |
| | | F | 07 15 00 | ... | ... | ... | | | | PR ₁ | 08 28 22 | ... | ... | ... | | |
| July 19th | E | P | 07 50 07 | ... | ... | 10,330 | | | | eS | 08 33 18 | ... | ... | ... | | |
| | | PR ₁ | 07 53 43 | ... | ... | ... | | | | SR ₁ | 08 36 19 | ... | ... | ... | | |
| | | Sc P _C S | 08 00 33 | ... | ... | ... | | | | SR ₂ | 08 37 21 | ... | ... | ... | | |
| | | | | | | | | | | L | 08 40 11 | ... | ... | ... | | |

Another shock after 12h. 00m. 00s. Minute contact failed. Time not determinable.

TABLE D 4—*contd.*

| Date. | Compt. | Phase. | G. M. T. | Period. | Ampli-tude. | △ | Remarks. | Date. | Compt. | Phase. | G. M. T. | Period. | Ampli-tude. | △ | Remarks. |
|-----------|--------|-----------------|---|---------|-------------|--------|--|-------|------------|--------|------------------|----------|-------------|-----|----------------------------|
| | | | H. M. S. | Sec. | m.m. | Km. | | 1934. | | | H. M. S. | Sec. | m.m. | Km. | |
| | | Mn | 08 47 29 | 16 | 1'0 | ... | | | Sept. 9th | E | e | 05 07 46 | ... | ... | |
| | | F | 09 59 00 | ... | ... | ... | | | | | F | 05 25 00 | ... | ... | |
| Aug. 11th | E | i | 12 19 07 | ... | ... | ... | Feeble shock. | | Sept. 11th | E | e | 08 28 43 | ... | ... | |
| | | F | 13 23 00 | ... | ... | ... | | | | | F | 08 55 00 | ... | ... | |
| Aug. 12th | E | eP | 23 58 04 | ... | ... | 5,360 | | | Sept. 12th | E | e | 14 54 10 | ... | ... | |
| | | PR ₁ | 23 59 41 | ... | ... | ... | | | | | F | 15 29 00 | ... | ... | |
| Aug. 13th | ... | PR ₁ | 00 00 11 | ... | ... | ... | | | Sept. 15th | E | e? | 08 11 10 | ... | ... | |
| | | IS | 00 05 09 | ... | ... | ... | | | | | F | 08 48 00 | ... | ... | |
| | | SP | 00 05 56 | ... | ... | ... | | | Sept. 15th | E | e | 12 06 26 | ... | ... | |
| | | SR ₁ | 00 09 00 | ... | ... | ... | | | | | F | 12 17 00 | ... | ... | |
| | | SR ₁ | 00 10 25 | ... | ... | ... | | | Sept. 16th | E | e | 06 28 19 | ... | ... | |
| | | L | 00 14 08 | ... | ... | ... | | | | | F | 06 59 00 | ... | ... | |
| | | Mn | 00 18 44 | 18 | 6'8 | ... | | | Sept. 21st | E | IP | 12 43 56 | ... | ... | 2,620 |
| | | F | 01 40 00 | ... | ... | ... | | | | | IPR ₁ | 12 44 26 | ... | ... | |
| Aug. 26th | E | e | 17 41 16 | ... | ... | ... | Feeble shock. | | | | IS | 12 48 12 | ... | ... | |
| | | F | 17 55 00 | ... | ... | ... | | | | | ISR ₁ | 12 49 06 | ... | ... | |
| Aug. 31st | E | eP | 05 16 11 | ... | ... | 10,720 | | | | | L | 12 50 08 | ... | ... | |
| | | PR ₁ | 05 20 07 | ... | ... | ... | | | | | M | ... | ... | ... | |
| | | ScPcS | 05 26 47 | ... | ... | ... | | | | | F | 14 23 00 | ... | ... | |
| | | ScPcPcS | 05 27 18 | ... | ... | ... | | | Sept. 23rd | E | e | 01 30 50 | ... | ... | |
| | | eS | 05 27 42 | ... | ... | ... | | | | | F | 01 50 00 | ... | ... | |
| | | SR ₁ | 05 34 35 | ... | ... | ... | | | Sept. 23rd | E | e | 08 27 00 | ... | ... | |
| | | L | ? | ... | ... | ... | | | | | F | 09 21 — | ... | ... | |
| | | Mn | 05 57 48 | ... | 0'5 | ... | | | Sept. 25th | E | IP | 19 26 10 | ... | ... | 9,010 |
| | | F | 06 45 00 | ... | ... | ... | | | | | cPR ₁ | 19 29 05 | ... | ... | |
| Aug. 31st | E | eP | 15 03 53 | ... | ... | 3,165 | | | | | IS | 19 36 22 | ... | ... | |
| | | IS | 15 08 50 | ... | ... | ... | | | | | IPS | 19 37 02 | ... | ... | |
| | | SR ₁ | 15 10 02 | ... | ... | ... | | | | | SR ₁ | 19 41 30 | ... | ... | |
| | | L | 15 11 55 | ... | ... | ... | | | | | L | 19 51 52 | ... | ... | |
| | | M | 15 14 06? | 11 | 19 | ... | | | | | M | ... | ... | ... | |
| | | F | ? | ... | ... | ... | Minute contact not clear, lines overlapping. | | | | F | 20 15 00 | ... | ... | |
| Sept. 1st | E | e | 12 43 28 | ... | ... | ... | Feeble shock. | | Sept. 25th | E | e | 23 35 11 | ... | ... | |
| | | F | 12 58 00 | ... | ... | ... | | | | | F | 00 03 00 | ... | ... | |
| Sept. 1st | E | e | 13 15 47 | ... | ... | ... | Feeble shock. | | Sept. 26th | ... | F | 01 16 59 | ... | ... | |
| | | F | 13 24 00 | ... | ... | ... | | | Sept. 26th | E | e | 01 16 59 | ... | ... | Minute marks not clear. |
| Sept. 3rd | E | e | 10 30 18 | ... | ... | ... | Feeble shock. | | | | M | 01 23 39 | ... | ... | |
| | | F | 10 48 00 | ... | ... | ... | | | | | F | ... | ... | ... | |
| Sept. 4th | E | e | 16 51 12 | ... | ... | ... | Distant shock. feeble | | Sept. 26th | E | e | 07 49 00 | ... | ... | |
| | | F | 18 15 00 | ... | ... | ... | | | | | F | 08 48 00 | ... | ... | |
| Sept. 6th | | | Lines overlapping. Feeble shock at about 02 h. | | | | | | Sept. 26th | E | e | 13 44 17 | ... | ... | |
| | | | | | | | | | | | F | 14 14 00 | ... | ... | |
| Sept. 8th | E | e | 06 56 02 | ... | ... | ... | Beginning uncertain: probably much earlier. | | Sept. 26th | E | e | 16 08 19 | ... | ... | |
| | | Mn | 07 01 09 | 7 | 0'9 | ... | | | | | F | 16 22 00 | ... | ... | |
| | | F | 07 29 00 | ... | ... | ... | | | Sept. 27th | E | e | 03 52 29 | ... | ... | |
| | | | | | | | | | | | F | 04 08 00 | ... | ... | |

TABLE D 4—contd.

| Date. | Compt. | Phase. | G. M. T. | Period. | Ampli-tude. | △ | Remarks. | Date. | Compt. | Phase. | G. M. T. | Period. | Ampli-tude. | △ | Remarks. | |
|-----------|--------|-----------------|----------|---------|-------------|--------|--|-----------|-----------|-----------------|-------------------|----------|-------------|---------------------------------------|---|--|
| 1934. | | | H. M. S. | Sec. | m.m. | Km. | | 1934. | | | H. M. S. | Sec. | m.m. | Km. | | |
| Oct. 5th | E | e | 20 24 35 | ... | ... | ... | | Oct. 25th | | eS | 01 45 05 | ... | ... | ... | | |
| | | F | ? | ... | ... | ... | Two feeble distant shocks overlapping. | | | SR ₁ | 01 45 34 | ... | ... | ... | | |
| | | e | ? | ... | ... | ... | | | | L | 01 46 10 | ... | ... | ... | | |
| | | F | 23 01 00 | ... | ... | ... | | | | Mn | 01 47 1 | ... | ... | ... | | |
| Oct. 10th | E | e | 13 55 45 | ... | ... | ... | Feeble shock. | Oct. 26th | E | F | 02 24 00 | ... | ... | ... | | |
| | | F | 14 13 00 | ... | ... | ... | | | | P | 14 52 25 | ... | ... | 4,620 | | |
| Oct. 10th | E | eP | 15 54 39 | ... | ... | 11,785 | | | | PR ₁ | 14 53 43 | ... | ... | ... | | |
| | | PR ₁ | 15 58 45 | ... | ... | ... | | | | PR ₂ | 14 54 27 | ... | ... | ... | | |
| | | PR ₂ | 16 01 06 | ... | ... | ... | | | | IS | 14 58 49 | ... | ... | ... | | |
| | | ScPcS | 16 05 13 | ... | ... | ... | | | | SR ₁ | 15 01 41 | ... | ... | ... | | |
| | | ScPcPoS | 16 06 02 | ... | ... | ... | | | | L | 15 05 11 | ... | ... | ... | | |
| | | IS | 16 06 31 | ... | ... | ... | | | | Mn | ? | ... | ... | ... | | |
| | | PS | 16 08 08 | ... | ... | ... | | | | F | 16 24 00 | ... | ... | ... | | |
| | | PPS | 16 09 06 | ... | ... | ... | | Oct. 26th | E | fP | 17 20 33 | ... | ... | 5,800 | | |
| | | SR ₁ | 16 14 03 | ... | ... | ... | | | | PR ₁ | 17 22 25 | ... | ... | ... | | |
| | | SR ₂ | 16 18 29 | ... | ... | ... | | | | S | 17 28 03 | ... | ... | ... | | |
| | | L | 16 31 05 | ... | ... | ... | | | | SR ₁ | 17 31 28 | ... | ... | ... | | |
| | | M | 16 39 08 | ... | ... | ... | | | | SR ₂ | 17 33 00? | ... | ... | ... | | |
| | | Mn | 16 44 40 | 17 | 1·0 | ... | | | | L | 17 36 30 | ... | ... | ... | | |
| | | F | 18 43 00 | ... | ... | ... | | | | Mn | 17 48 02 | 18 | 1·5 | ... | | |
| Oct. 18th | E | eP | 08 01 24 | ... | ... | 11,100 | | | | F | 19 29 00 | ... | ... | ... | | |
| | | PR ₁ | 08 05 24 | ... | ... | ... | | Oct. 27th | E | e | 10 32 27 | ... | ... | ... | | |
| | | SePcS | 08 11 54 | ... | ... | ... | | | | F | 12 27 00 | ... | ... | ... | | |
| | | SePcPoS | 08 12 47 | ... | ... | ... | | Oct. 28th | ... | | | | | | | |
| | | S | 08 13 20 | ... | ... | ... | | | | | | | | Distant feeble shocks. No time marks. | | |
| | | PS | 08 14 31 | ... | ... | ... | | Oct. 29th | ... | | | | | | | |
| | | PPS | 08 15 23 | ... | ... | ... | | | | | | | | | | |
| | | L | 08 36 35 | ... | ... | ... | | | | | | | | | | |
| | | Mn | 08 44 34 | 17 | 0·6 | ... | | | | | | | | | | |
| | | F | 10 41 00 | ... | ... | ... | | | | | | | | | | |
| Oct. 19th | E | fP | 21 03 29 | ... | ... | 2,545 | | | | | | | | | Tremor. | |
| | | eS | 21 07 39 | ... | ... | ... | | | | | | | | | Part of the record lost while changing paper. | |
| | | SR ₁ | 21 08 24 | ... | ... | ... | | | | | | | | | | |
| | | L | 21 09 27 | ... | ... | ... | | | | | | | | | | |
| | | Mn | 21 11 28 | 7 | 4·5 | ... | | | Nov. 4th | E | e | 02 11 34 | ... | ... | ... | |
| | | F | 21 55 00 | ... | ... | ... | | | | | I | 02 18 17 | ... | ... | ... | |
| | | | | | | | | | | | L | ? | ... | ... | ... | |
| | | | | | | | | | | | Mn | 02 52 44 | 22 | 3·6 | ... | |
| | | | | | | | | | | | F | 06 20 00 | ... | ... | ... | |
| | | | | | | | | | Nov. 5th | E | eP | 23 15 34 | ... | ... | 10,600 | |
| Oct. 21st | E | fP | 18 04 09 | ... | ... | 7,965 | | | | | IScPcS | 23 26 02 | ... | ... | ... | |
| | | eS | 18 13 33 | ... | ... | ... | | | | | PS | 23 28 00 | ... | ... | ... | |
| | | PS | 18 14 05 | ... | ... | ... | | | Nov. 6th | ... | Mn | 00 02 20 | 18 | 1·0 | ... | |
| | | SR ₁ | 18 18 22 | ... | ... | ... | | | | | F | 02 33 00 | ... | ... | ... | |
| | | SR ₂ | 18 21 13 | ... | ... | ... | | | | | | | | | | |
| | | L | 18 27 11 | ... | ... | ... | | | Nov. 12th | E | IS? | 07 34 04 | ... | ... | ... | |
| | | Mn | ? | ... | ... | ... | | | | | SR ₁ ? | 07 37 14 | ... | ... | ... | |
| | | F | 18 59 00 | ... | ... | ... | | | | | eL? | 07 40 58 | ... | ... | ... | |
| Oct. 22nd | E | e | 01 10 22 | ... | ... | ... | | | | | Mn | 07 46 30 | 20 | 1·5 | ... | |
| | | F | 01 35 00 | ... | ... | ... | | | | | F | ? | ... | ... | ... | |
| Oct. 25th | E | eP | 01 42 18 | ... | ... | 1,580 | | | Nov. 15th | E | eP | 23 20 17 | ... | ... | 2,845 | |
| | | | | | | | | | | | S | 23 24 49 | ... | ... | | Epc. Kashmir: preliminary movements very feeble. |

TABLE D 4—contd.

| Date. | Compt. | Phase. | G. M. T. | Period. | Ampli- tude. | △ | Remarks. | Date. | Compt. | Phase. | G. M. T. | Period. | Ampli- tude. | △ | Remarks. |
|--------------------|--------|---|----------|---------|-----------------|--------|---|-----------|--------|------------------|-----------|---------|-----------------|-----|--------------------|
| 1934. Nov. 15th | | H. M. S. | Sec. | m.m. | Km. | | Tremor. | Nov. 30th | | H. M. S. | Sec. | m.m. | Km. | | Tremor. |
| | | ISR ₁ | 23 25 59 | ... | ... | ... | | | | SR ₁ | 02 48 01 | ... | ... | ... | |
| | | L | 23 27 11 | ... | ... | ... | | | | ISR ₁ | 02 54 00 | ... | ... | ... | |
| | | Mn? | 23 29 21 | ? | 0·7 | ... | | | | eL | 03 17 19 | ... | ... | ... | |
| Nov. 16th | E | F | 23 52 00 | ... | ... | ... | Preliminary move- ments very feeble. | Dec. 3rd | E | Mn | 03 29 14 | 21 | 3·2 | ... | Tremor. |
| | | e | 10 49 00 | ... | ... | ... | | | | F | 05 52 00 | ... | ... | ... | |
| Nov. 16th | E | F | 11 27 00 | ... | ... | ... | Lines overlapping. | Dec. 3rd | E | e | 21 46 00 | ... | ... | ... | Lines overlapping. |
| | | eP | 13 54 32 | ... | ... | 8,360 | | | | F | 21 54 00 | ... | ... | ... | |
| | | S | 14 04 15 | ... | ... | ... | | Dec. 4th | E | e | 02 57 59 | ... | ... | ... | |
| | | PS | 14 04 51 | ... | ... | ... | | | | F | 03 04 59 | ... | ... | ... | |
| | | SR ₁ | 14 09 11 | ... | ... | ... | | Dec. 5th | E | e | 03 54 33 | ... | ... | ... | |
| | | L | 14 18 25 | ... | ... | ... | | | | F | 04 58 59 | ... | ... | ... | |
| | | Mn | 14 25 12 | 23 | 0·6 | ... | | Dec. 7th | E | e | 17 44 11 | ... | ... | ... | |
| | | F | 16 11 00 | ... | ... | ... | | | | F | 19 38 59 | ... | ... | ... | |
| Nov. 18th | E | eP | 03 27 48 | ... | ... | 2,735 | Feeble shock ; lines overlapping and no minute marks. | Dec. 5th | E | e | 08 21 48 | ... | ... | ... | Ditto. |
| | | IS | 03 32 12 | ... | ... | ... | | | | F | 08 46 30 | ... | ... | ... | |
| | | ISR ₁ | 03 33 17 | ... | ... | ... | | Dec. 7th | E | e | 21 31 18 | ... | ... | ... | |
| | | Mn | 03 36 35 | 10? | 6·4 | ... | | | | F | 22 05 00 | ... | ... | ... | |
| | | F | 06 25 00 | ... | ... | ... | | | | e | 03 08 15 | ... | ... | ... | |
| Nov. 18th | E | IP | 22 53 04 | ... | ... | 8,385 | Feeble shock ; lines overlapping. | Dec. 7th | E | F | 03 59 00 | ... | ... | ... | Ditto. |
| | | IS | 23 02 48 | ... | ... | ... | | | | e | 05 46 08 | ... | ... | ... | |
| | | IPS | 23 03 18 | ... | ... | ... | | Dec. 7th | E | F | 06 24 00 | ... | ... | ... | |
| | | L | 23 18 12 | ... | ... | ... | | | | e | 19 31 58 | ... | ... | ... | |
| | | Mn | 23 24 40 | 30 | 1·0 | ... | | | | F | 20 36 00 | ... | ... | ... | |
| Nov. 19th | E | F | ? | ... | ... | ... | Feeble shock ; lines overlapping and no minute marks. | Dec. 10th | | F | 00 40 00 | ... | ... | ... | Ditto. |
| | | e | 08 01 00 | ... | ... | ... | | | | e | 00 51 00 | ... | ... | ... | |
| Nov. 19th | E | F | 08 37 00 | ... | ... | ... | Tremor. | Dec. 14th | | F | 16 20 00 | ... | ... | ... | Ditto. |
| | | e | 22 29 00 | ... | ... | ... | | | | F | 16 30 00 | ... | ... | ... | |
| Nov. 22nd | E | F | 22 59 00 | ... | ... | ... | Tremor. | Dec. 15th | E | Mn | 02 22 56? | 20 | 51·0 | ... | Ditto. |
| | | e | 22 59 00 | ... | ... | ... | | | | F | 05 32 00 | ... | ... | ... | |
| Nov. 24th | E | Feeble shock ; lines overlapping ; times uncertain. | | | | | | | | | | | | | |
| | | e | 10 22 00 | ... | ... | ... | Tremor. | Dec. 15th | ... | e | 10 30 00 | ... | ... | ... | Ditto. |
| Nov. 25th | E | F | 10 44 00 | ... | ... | ... | | | | F | 10 48 00 | ... | ... | ... | |
| | | P | 06 23 03 | ... | ... | 5,290 | Feeble shock. | Dec. 15th | ... | e | 19 31 58 | ... | ... | ... | Ditto. |
| Nov. 27th | E | PR ₁ | 06 24 46 | ... | ... | ... | | | | F | 20 36 00 | ... | ... | ... | |
| | | IPR ₁ | 06 25 30 | ... | ... | ... | | Dec. 16th | ... | e | 00 40 00 | ... | ... | ... | |
| | | IS | 06 30 04 | ... | ... | ... | | | | F | 00 51 00 | ... | ... | ... | |
| | | ISR ₁ | 06 32 51 | ... | ... | ... | | Dec. 16th | ... | e | 16 20 00 | ... | ... | ... | |
| | | ISR ₂ | 06 34 22 | ... | ... | ... | | | | F | 16 30 00 | ... | ... | ... | |
| | | L | 06 37 53 | ... | ... | ... | | Dec. 16th | ... | e | 20 51 00 | ... | ... | ... | |
| | | Mn | 06 43 27 | 22 | 1·7 | ... | | | | F | 21 01 00 | ... | ... | ... | |
| Nov. 29th | E | F? | 08 18 00 | ... | ... | ... | | Dec. 16th | ... | e | 23 46 00 | ... | ... | ... | |
| | | e | 22 46 00 | ... | ... | ... | | | | F | 23 59 00 | ... | ... | ... | |
| Nov. 30th | E | F | 23 06 00 | ... | ... | ... | Part of the record lost while changing paper. | Dec. 17th | ... | e | 06 58 00 | ... | ... | ... | Ditto. |
| | | P' | 02 25 13 | ... | ... | 10,765 | | | | F | 07 09 00 | ... | ... | ... | |

TABLE D 4—*contd.*

| Date. | Compt. | Phase. | G. M. T. | Period. | Ampli-tude. | △ | Remarks. | Date. | Compt. | Phase. | G. M. T. | Period. | Ampli-tude. | △ | Remarks. |
|-----------|--------|-----------------|----------|---------|-------------|-------|-----------------|-----------|--------|-----------------|----------|---------|-------------|-------|--|
| 1934. | | | H. M. S. | Sec | m.m. | Km. | | 1934. | | | H. M. S. | Sec, | m.m, | Km, | |
| Dec. 17th | ... | e | 09 26 00 | ... | ... | ... | | Dec. 21st | | iS | 12 48 34 | ... | ... | ... | |
| | | F | 09 37 00 | ... | ... | ... | | | | L | 12 51 25 | ... | ... | ... | |
| Dec. 17th | ... | e | 14 51 00 | ... | ... | ... | | | | Mn | 12 53 47 | 9·2 | 1.5 | ... | |
| | | F | 15 05 00 | ... | ... | ... | | | | F | 13 40 00 | ... | ... | ... | |
| Dec. 17th | E | eP | 16 04 06 | ... | ... | 7,395 | | Dec. 22nd | E | iP | 10 56 26 | ... | ... | 2,590 | L-waves poor maximum movements in secondary; probably deep focus and of submarine origin |
| | | PR ₁ | 16 07 00 | ... | ... | ... | | | | S | 11 00 40 | ... | ... | ... | |
| | | S | 16 13 28 | ... | ... | ... | | | | SR ₁ | 11 01 33 | ... | ... | ... | |
| | | PS | 16 14 00 | ... | ... | ... | | | | cL | 11 02 35 | ... | ... | ... | |
| | | SR ₂ | 16 18 23 | ... | ... | ... | | | | F | 12 27 00 | ... | ... | ... | |
| | | SR ₂ | 16 21 08 | ... | ... | ... | | | | | | | | | |
| | | eL | 16 27 00 | ... | ... | ... | | | | | | | | | |
| | | M | ? | ... | ... | ... | | | | | | | | | |
| | | F | ? | ... | ... | ... | | | | | | | | | |
| Dec. 18th | E | iP | 11 27 29 | ... | ... | 2,590 | | Dec. 23rd | E | e | 10 10 00 | ... | ... | ... | |
| | | iS | 11 31 42 | ... | ... | ... | | | | F | 11 51 00 | ... | ... | ... | |
| | | cL | 11 34 20 | ... | ... | ... | | | | | | | | | |
| | | Mn | 11 36 39 | 8 | 3·5 | ... | | Dec. 25th | E | e | 06 38 20 | ... | ... | ... | |
| | | F | 12 25 00 | ... | ... | ... | | | | F | 08 43 00 | ... | ... | ... | |
| Dec. 19th | E | e | 03 10 30 | ... | ... | ... | | Dec. 25th | | | | | | | Lines overlapping. |
| | | F | 03 28 00 | ... | ... | ... | | Dec. 27th | E | e | 13 48 00 | ... | ... | ... | |
| | | | | | | | | | | F | 14 06 00 | ... | ... | ... | |
| Dec. 21st | E | iS ? | 06 44 09 | ... | ... | ... | P not recorded. | Dec. 28th | E | e | 11 49 29 | ... | ... | ... | |
| | | L ? | 06 47 00 | ... | ... | ... | | | | F | 14 01 00 | ... | ... | ... | |
| | | Mn | 06 49 10 | 9·2 | 1·0 | ... | | Dec. 30th | | | | | | | Lines overlapping. |
| | | F | 07 15 00 | ... | ... | ... | | Dec. 31st | | | | | | | Distant moderate shock: lines missing in middle and end. |
| Dec. 21st | E | iP | 12 44 14 | ... | ... | 2,680 | | | | | | | | | |

Solar Physics Observatory,
Kodaikanal.

T. ROYDS,
Director.

The following table contains a list of earthquakes that were reported by voluntary Observers from various stations.

TABLE D-5.

| Place at which felt. | Date. | G.M.T. of earth- quake. | Dura- tion. | Inten- sity (Rossi- Forel scale). | No. of shocks. | Remarks. | Place at which felt. | Date. | G.M.T. of earth- quake. | Dura- tion. | Inten- sity (Rossi- Forel scale). | No. of shocks. | REMARKS. |
|--------------------------|--------|-------------------------------|----------------|---|----------------------|---|-------------------------------|---------|-------------------------------|----------------|---|----------------------|------------------------------------|
| | 1934. | H. M. | Sec. | | | | | 1934. | H. M. | Sec. | | | |
| Dhubri . . . | Jan. 1 | 13 19 | 14 | 7 | 2 | | Ajmer . . . | Jan. 15 | 08 45 | 54 | 8 | ... | |
| Mandalay . . . | " 1 | 22 30 | 2-3 | 3 | 2 | | Narayanganj . . . | " 15 | 08 42 | 60 | 5 | 4 | |
| Do. . . . | " 3 | 00 30 | 1-2 | 3 | 1 | | Gauhati . . . | " 15 | 08 49 | 225 | 7 | 1 | |
| Do. . . . | " 4 | 08 30 | 1-2 | 3 | 1 | | Chittagong . . . | " 15 | 08 48 | 5 | 4 | 2 | |
| Myitkyina . . . | " 4 | 03 14 | 2 | 6 | 2 | | Salona . . . | " 15 | 08 55 | 180 | 8 | ... | Slow vibrations. |
| | | 04 13 | 5 | 6 | 2 | | Jaipur . . . | " 15 | 08 48 | 300 | 6 | ... | Several shocks. |
| Andipatti (Madura Dist.) | " 11 | 21 15 | 10 | 5 | ... | | Yatung, Tibet . . . | " 15 | 08 48 | 80-90 | 9 | ... | Several tremors. |
| Sibsagar . . . | " 14 | 03 50 | 65 | 5 | 1 | | Kaira Distt. . . | " 15 | 08 55 | ... | 5 | ... | Buildings da- maged. |
| Chittagong . . . | " 14 | 15 03 | 3 | 4 | 1 | | Deesa . . . | " 15 | 09 00 | 3 | 3 | 1 | |
| Srinagar . . . | " 15 | 08 50 | 2 | 6 | 1 | | Srinagar . . . | " 16 | 23 23 | 6 | 6 | 2 | separate shocks. |
| Cocanada . . . | " 15 | 08 43 | 120 | 5 | 6 | | Sonamarg . . . | " 16 | 23 28 | 6 | 6 | 5 | |
| Roorkee . . . | " 15 | 08 50 | 60 | 6 | 1 | | Dras . . . | " 16 | 23 30 | 10 | 7 | 2 | |
| Indore . . . | " 15 | 08 50 | 90 | 4 | 2 | | Drosh . . . | " 17 | 00 22 | 40 | 6 | 3 | |
| Hazaribagh . . . | " 15 | 08 41 | 240 | 7 | ... | Several tremors. | Hazari Bagh . . . | " 19 | 18 42 | 180 | 5 | ... | Several tremors. |
| Daltonganj . . . | " 15 | 08 43 | 300 | 8 | 1 | | Daltonganj . . . | " 19 | 18 40 | 60 | 9 | ... | Post Office build- ing cracked. |
| Pachmarhi . . . | " 15 | 08 40 | 120 | 5 | 1 | | Nowgong . . . | " 19 | 18 50 | 30 | 5 | 1 | |
| Masulipatam . . . | " 15 | 08 30 | 120 | 4 | 1 | | Dhubri . . . | " 21 | 02 30 | 4 | 6 | 1 | |
| Poona . . . | " 15 | 08 50 | 6 | 3 | 1 | | Barmer . . . | " 27 | 07 22 | 3 | 5 | 1 | |
| Sambhar (Jodhpur State) | " 15 | 07 48 | 90 | ... | ... | | Peshawar . . . | " 27 | 22 15 | 10 | 5 | 1 | |
| Didwana (Do.) . . | " 15 | 08 45 | 90 | ... | ... | | Naya Dumka . . . | Feb. 8 | 14 30 | 1½ | 3 | 1 | |
| Nagur (Do.) . . | " 15 | 08 45 | 60 | ... | ... | | Salona . . . | " 14 | 09 08 | 30 | 3 | 1 | |
| Merta (Do.) . . | " 15 | 08 50 | 60 | ... | ... | | Dhubri . . . | " 19 | 07 13 | 4 | 7 | 1 | |
| Jodhpur (Do.) . . | " 15 | 08 50 | 25-30 | 6 | 3 | | Do. . . . | " 19 | 07 28 | 3 | 7 | 1 | |
| Bilara (Do.) . . | " 15 | 08 46 | 180 | ... | ... | | Akyab . . . | " 24 | 15 24 | 3 | 6 | 2 | |
| Chandbali . . . | " 15 | 08 50 | ... | ... | ... | | Salona . . . | Mar. 7 | 15 55 | 3-4 | 4 | 1 | |
| Cawnpore . . . | " 15 | 08 40 | 240 | 8 | ... | Houses cracked & collapsed. Mosque pillar cracked. | Shillong . . . | " 7 | 19 29 | 1 | 4 | 2 | |
| | | | | | | | Gilgit . . . | " 11 | 02 25 | 3-4 | 6 | 1 | |
| Bahraich . . . | " 15 | ... | ... | ... | ... | | Salona . . . | " 17 | 18 15 | 6 | 4 | 1 | |
| Berhampore . . . | " 15 | 08 40 | 240 | ... | ... | | Drosh . . . | " 20 | 14 25 | 5 | 5 | 1 | |
| Delhi . . . | " 15 | 08 51 | ... | ... | ... | | Yatung, Tibet . . . | Apr. 3 | 06 59 | 5 | 5 | ... | Several tremors. |
| Calingapatam . . . | " 15 | 08 50 | 30 | ... | ... | | Do. . . . | " 11 | 20 47 | 3 | 5 | 1 | |
| Akyab . . . | " 15 | 08 51 | 5 | 3 | 3 | | Didwana (Jodhpur State). . | " 14 | 01 30 | 10 | ... | ... | |
| Shillong . . . | " 15 | 08 45 | 200 | 4 | ... | Series of tre- mors. | Drosh . . . | " 22 | 05 50 | 2 | 6 | 2 | |
| Lahore . . . | " 15 | 09 00 | 2-3 | 3 | 1 | | Do. . . . | " 23 | 02 00 | 2 | 6 | 2 | |
| Dhubri . . . | " 15 | 08 41 | 56 | 8 | 6 | | Johi (Dadu Dist.) . | May 1 | 03 40 | 2 | 4 | 2 | |
| Nowgong . . . | " 15 | 08 50 | 240 | 8 | 3 | | Dadu . . . | " 1 | 03 45 | 2 | 4 | 2 | |
| Khulna . . . | " 15 | 08 43 | 135 | 6 | ... | Mild vibrations. | Mehar (Dadu Dist.) . | " 1 | 03 55 | 1 | 4 | 2 | |
| Rangpur . . . | " 15 | 08 44 | 80 | 8 | ... | | Sehwan . . . | " 1 | 03 55 | 2 | 4 | 2 | |
| Sibsagar . . . | " 15 | 08 46 | 272 | 5 | 1 | | Kakar (Dadu Dist.) . | " 1 | 03 55 | 2 | 4 | 2 | |
| Mymensingh . . . | " 15 | 08 45 | 180 | 7 | 1 | | Cooch Behar . . . | " 22 | 19 06 | 10 | 5 | 1 | |
| Peshawar . . . | " 15 | 08 50 | 60 | 5 | 2 | | Srinagar (Kashmir) . | " 24 | 12 25 | 2 | 7 | 1 | |
| Muktesar . . . | " 15 | 08 50 | 60 | 5 | 2 | | Faridpur . . . | June 2 | 05 57 | 1 | 4 | 1 | |
| Cherrapunji . . . | " 15 | 08 46 | 10 | 2 | 3 | | Gauhati . . . | " 2 | 05 55 | 10 | 6 | 1 | |
| Ranchi . . . | " 15 | 08 42 | 180 | 9 | 2 | Buildings dam- aged.* | Shillong . . . | " 2 | 05 56 | 80 | 5 | 2 | |
| Faridpur . . . | " 15 | 08 47 | 120 | 7 | 4 | | Salona . . . | " 2 | 05 53 | 90 | 6 | 3 | |
| Cooch Behar . . | " 15 | 08 46 | 180 | 8 | 1 | | Sibsagar . . . | " 2 | 05 53 | 10 | 6 | 1 | |
| | | | | | | | Naya Dumka . . . | " 2 | 05 50 | 2 | 2 | 1 | |

TABLE D 5—*contd.*

| Place at which felt. | Date. | G.M.T. of earth- quake. | Dura- tion. | Inten- sity (Rossi- Forel scale). | No. of shocks. | REMARKS. | Place at which felt. | Date. | G.M.T. of earth- quake. | Dura- tion. | Inten- sity (Rossi- Forel scale). | No. of shocks. | REMARKS. |
|---------------------------|--------|-------------------------------|----------------|---|----------------------|--|--------------------------|---------|-------------------------------|----------------|---|----------------------|------------------|
| | 1934. | H. M. | Sec. | | | | | 1934. | H. M. | Sec. | | | |
| Cherrapunji . . . | June 2 | 05 55 | 15 | 3 | 2 | | Yatung, Tibet . . . | Aug. 30 | 13 33 | 30 | 4 | ... | Several tremors. |
| Dhubri . . . | " 2 | 05 56 | 56 | 6 | 3 | | Shillong . . . | Sept. 2 | 10 49 | 2 | 5 | 1 | |
| Dera Ismail Khan . . . | " 13 | 22 20 | 5 | 5 | 2 | | Salona . . . | " 10 | 20 30 | 6 | 5 | 1 | |
| Rawalpindi . . . | " 13 | 22 16 | 30 | 3 | 1 | | Dhubri . . . | " 23 | 08 48 | 22 | 6 | 2 | |
| Gwador . . . | " 13 | 22 15 | ... | 5 | ... | | Cooch Behar . . . | " 24 | 15 41 | 5 | 6 | 1 | |
| Mehar (Dadu Dist.) . . . | " 13 | 22 00 | 1 | 3 | 1 | | Lahore . . . | " 26 | 01 10 | 8 | 3 | 1 | |
| Kakar, (Dadu Dist.) . . . | " 13 | 22 00 | 2 | 3 | 2 | | Peshawar . . . | " 26 | 01 05 | 180 | 4 | 2 or 3 | |
| Cooch Behar . . . | " 16 | 21 14 | 12 | 6 | 1 | | Drosh . . . | " 26 | 01 08 | 20 | 6 | 3 | |
| Dhubri . . . | " 16 | 20 14 | 20 | 7 | 3 | | Srinagar (Kashmir) . . . | " 26 | 01 08 | 2 | 4 | 1 | |
| Shillong . . . | " 16 | 20 14 | 7 | 5 | 2 | | Gulmarg . . . | " 26 | 01 11 | 2 | 6 | 1 | |
| Gauhati . . . | " 16 | 20 15 | 5 | 6 | 1 | | Dhubri . . . | Oct. 20 | 04 24 | 3 | 6 | 1 | |
| Salona . . . | " 16 | 20 08 | 2 | 4 | 1 | | Drosh . . . | " 25 | 10 20 | 30 | 6 | 3 | |
| Drosh . . . | July 5 | 08 28 | 50 | 6 | 3 | | Salona . . . | Nov. 9 | 06 07 | 15 | 5 | 1 | |
| Gauhati . . . | " 13 | 23 21 | 15 | 6 | 1 | | Dhubri . . . | " 9 | 07 25 | 18 | 6 | 3 | |
| Salona . . . | " 13 | 23 03 | 10 | 6 | ... | | Drosh . . . | " 15 | 23 16 | 90 | 5 | 6 | |
| Shillong . . . | " 15 | 02 07 | 5 | 5 | 1 | | Srinagar (Kashmir) . . . | " 15 | 23 20 | 3 | 5 | 1 | |
| Cooch Behar . . . | " 15 | 02 06 | 10 | 6 | 1 | | Drosh . . . | " 17 | 11 16 | 13 | 6 | 1 | |
| Dhubri . . . | " 15 | 02 08 | 12 | 6 | 2 | | Dera Ismail Khan . . . | " 18 | 03 24 | 4 | 6 | 2 | |
| Gauhati . . . | " 15 | 02 11 | 5 | 6 | 1 | | Drosh . . . | " 18 | 03 23 | 120 | 8 | 9 | |
| Poona . . . | " 16 | 23 50 | 5 | 5 | 1 | | Sialkot . . . | " 18 | 03 30 | 15 | 5 | 2 | |
| Salona . . . | " 18 | 13 07 | 2-3 | 3 | 1 | | Peshawar . . . | " 18 | 03 20 | 150 | 7 | 2 or 3 | |
| Drosh . . . | " 22 | 19 30 | 5 | 8 | 1 | Civil Hospital buildings walls cracked in some places. | Cherat . . . | " 18 | 03 21 | 15 | 6 | 2 | |
| Do. . . | " 22 | 19 50 | 60 | 8 | 1 | | Rawalpindi . . . | " 18 | 03 12 | 40 | 8 | 2 | |
| Srinagar (Kashmir) . . . | " 22 | 20 02 | 5 | 8 | 2 | | Muzaffarabad . . . | " 18 | 03 20 | 5 | 4 | 2 | |
| Gulmarg . . . | " 22 | 19 56 | 7 | 8 | 3 | | Srinagar (Kashmir) . . . | " 18 | 03 23 | 5 | 8 | 2 | |
| Miranshah . . . | " 22 | 20 10 | 4 | 5 | 5 | | Gilgit . . . | " 18 | 03 22 | 45 | 6 | 2 | |
| Gilgit . . . | " 22 | 20 10 | 2-3 | 6 | 2 | | Kabul . . . | " 18 | 03 37 | 30 | 5 | 1 | |
| Peshawar . . . | " 22 | 19 56 | 90 | 8 | 3 | Buildings damaged. | Sonamarg . . . | " 18 | 03 20 | 18 | 6 | 1 | |
| Rawalpindi. . . | " 22 | 19 58 | 40-45 | 7 | 1 | | Dras . . . | " 18 | 03 20 | 18 | 6 | 1 | |
| Sialkot . . . | " 22 | 19 55 | 100-130 | 6 | 3 | | Skardu . . . | " 18 | 03 21 | 60 | 6 | 7 | |
| Cherat . . . | " 22 | 20 02 | 98 | 8 | 2 | | Lahore . . . | " 18 | 03 26 | 50-60 | 5 | 3 | |
| Dera Ismail Khan . . . | " 22 | 19 58 | 12 | 5 | 4 | | Parachinar . . . | " 18 | 03 25 | 3 | ... | ... | |
| Dros . . . | " 22 | 19 56 | 40 | 9 | 2 | Walls cracked. | Gurez . . . | " 18 | 03 40 | about half | 2 | 2 | |
| Salona . . . | " 27 | 08 36 | 5-7 | 3 | 1 | | Skardu . . . | " 19 | 09 57 | 3 | 3 | 1 | |
| Dras . . . | " 29 | 04 11 | 24 | 8 | 3 | | Akyab . . . | " 23 | 09 38 | 2 | 6 | 3 | |
| Salona . . . | Aug. 2 | 01 10 | 3 | 5 | 1 | | Salona . . . | Dec. 8 | 07 09 | 6-8 | 4 | 1 | |
| Sibsaigar . . . | " 2 | 02 05 | 6 | 4 | 1 | | Drosh . . . | " 10 | 20 11 | 4 | 5 | 1 | |
| Salona . . . | " 3 | 02 03 | 8 | 4 | ... | Small vibrations. | Chittagong . . . | " 16 | 19 13 | 5 | 3 | 1 | |
| Skardu . . . | " 3 | 09 00 | 10 | 6 | 1 | | Drosh . . . | " 27 | 13 46 | 3 | 6 | 3 | |
| | | | | | | | Peshawar . . . | " 27 | 13 40 | 15 | 5 | 1 | |

Meteorological Office,
Poona.

J. M. SIL,
Meteorologist.

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Ditto.

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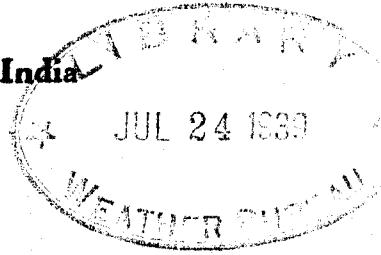
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